

SEQ ID NO:1 Xenopus Claspin nucleotide sequence (AF297867)

ACGCATAGGGCGCGAATTCCAAGGCGGCAGTAGTGAGGATTGGCGGGAGCTGTCATCACCG  
GGTAGCACCATGGCCGCGCTTTGCGAAGAAGAGCAGGTATTTTGGAAACCAGAAGACATCA  
GTCTGAAAATTGTGGAGACTGATTCTGACAGTGGTCAAGGCAGCTGTGAAATGGCTGATCA  
GAATAAATTATTGGGTTGTGTGGAGGATAAAGATACAGATGATGAAATCTTGGTTCGTAAA  
AAATCTAAAAAGAAGGAAGTATTGGTGGATAGTGACAGTGACGAAGAATTGGAAATGCGTA  
ATTTTGCAGATAATGTAAAGGGGCACTCTGATAATGAGGAGAATGAGGAGACTATGTCTGC  
TTATAGAGAAAAACCAAGAAAGATCCGTTTCAGCTGTATTGGACAGTGACAATAGTGATCAT  
GAGCTTGATGTTCAAATAAGTACAAGTCAAATGCAGCTGAAATACCTGAGTCAGAACATG  
ATAGCTTGGAGAAGGAAACTCATACTGTGAAGCCTAAAACAAGCAAGTCCTTGAAAAACA  
AACTGACACTAATAAAGAGGAAATCGTGAAGAATAAATCAAAGCGCAAAATTCCGAAAGAG  
AAGATTAAAAGGAGGACAAAACAGAAAGTCAAAGCAGTTGCTGAAGCTAGGCCAAATTTAA  
ATGACAGTGGCTGCTTACTCACAGATGGAGATCTTTTGGACAATGGGGTGGAAAATGAGAT  
GGATTCTAATGAAGAAGAGGATTCTCTTGAAGCTATCCGGGCAAAAATGAAAAGCAAATG  
AATAGTCATTCTGCTGAAAAATTTGAAGACTTTGAACTTGATACTGAAGGCAATCAAGAAT  
CCCCAGAAAAAAGAAAGGAACGAAAAGCTGCGCGACTTGGTAAAGAAGCCATGAAACAAAT  
GCACAGTGAGACCCAAAGACTAATACGTGAATCTTCTGTATCTTTACCATATCATCTACCT  
GAACCAAAAACAATCCATGATTTTTTCAAAGGCGTCCAAGGCCTCTTTGTCAAGGAAATG  
CAATGCAGCTTATAAAGTCAACAAAATACCAGCCCTGCACTGAAGAGAAAAAAAACCCAA  
TGAGGAAATATGTGCTGAAGTTCCAGAGTTTGATTATGTTTCAAAGGAAGATTTAGAAATC  
AGTCCAGAGCAACCTTTACTAAATACTCAGTGTTACATGCTGCAGTCCTATGTGTTGTGC  
AAAATGATGCTCGGACTGAGGGGTTAAGTAAATCCACAGAGGCAGTTGTGACTGGTCAAAT  
GAATGACCATGAGGATGCTTTTCAGTGATTCAAACATTGTTTCATGAACAAGAAACAGTTGGA  
TTAATAACCGTAACCTGAAACCTTTTCAGACACCCTTTATTCCCCAACCCAGAGAGCGTAGTAT  
GTGAACAAATCCAGAATGATGTAGTAGAGATGCAACGTATGCCTGAACAACCCACGCATAA  
ACCCAAGTTATCCAAGCTTGAAAAGCTGAAAGCTCTTGGAGTGGACTTGTCTATAAAACCT  
CGCCTTTGCCCTGATGATGGTTCTTTTGTCAACTTGGATGAACCAAAGCCGAATAAAGAAT  
TTGAAGCTTTGAAGGAGCGTTTCCTGAAGCACACTCTGCAAAGTCCAACCCAGAACTGA  
GCGGAAAGTCAATCTTAATATTATCCGCAAGGAGACCACTGCTGATGGAAAAGAAGAACTA  
AAAGCAGACGTTGTGCCAATAGTTATGGCTACAGAAAAACCAGACAAGAGCATTATCAAA  
AGCCAGGTGAGAAGCTGCAGGTATTGAAAGTCAAATGCAGGAAGCAATGAAAATCCGTCG  
CAGTGAGGAGCGCCTGAAGCGGCAAGCCTTGTATAAGCTTGACAATGAAGATGGCTTTGAA  
GATGATGAAGAGGAGGAAGAAATGACAGAGGAGTCTGAAGATGATGGGGATGGAAATGCTG  
AGACTGCAGATTATCCTGGAGGGGAAGATGAGGAAGAGGTTGGTGATGCTGAAGATGACAA  
TGATGAGGATGATACTGTAAATGATAGATTGTTGGGAAATGTGCCTGAAATTGTTATCCCA  
CTGCCGAGACCAGTAACCTACTGATTCTAGCCTCATGCTGTTCAAGGACAATTCTTCAAAGC  
TAGGAGATTTCGCTACCTGATGAAAGTGGATGCAAGAGAAGCAGCAGGCTAGAATATGAAGA  
AGACTCCCTGTTGCCACAATTAAGAAAACAGCCATAATAGTAGCTTTGAACTTATTAGT  
TCAATGATACCATCATACCAGCCATGTAATAAAACAACCTCGAGTTGTGATCAACTCCAATA  
ACCTTGGCTTTTCGCTCACCATCTCCGGTTCATTTCAAACAAGTTTTCTCAGCTCTGCATC  
AAAGAGTTCTGGCAAGATGTCTGAACCATCCCTTCCCGTGAAGACTCACAGGATCTATAT  
AATGCTTCCCCAGAGCCCAAAGCCTCATATCTCTGTGCTGGAAGAACTCTCAATTTCAAT

FIGURE 1A

TTTCGTTGGAGGATGACACCCAGAGCCAACTGCTTGATGCTGATGGGTTTCTGAATGTTGG  
TCGCCATAAATCTAGCTCTGCCAAACACAGGCTAGCTTTGGATACAATGGACGAGAATGCT  
ATGGATGCCAATATGGATGAACTACTAGACCTTTGCTCAGGACAGTTCAAAGAATCTCTTT  
CAGGCACATCACAGGCAGCTGAAAGTGATGCTAAGAAACAACCAATGGATGAATTGCTTGA  
ATTGTGTTCTGGCAAATTTGTATCTCAAGCTGACTGCTCCACACAAGATTCTTCTGCTTCA  
GCTAAGGACCGTTCTACAGCTGTAAAAAAGGACATTTCTGATGAAGTGGCAACGGTTTCAA  
GTTTCATTCCCTTACTGAGAGAGAACAGGAAGAAGATGAGGAAGAAGAATTTGGTGAATTCAA  
GCTCTTACCCTGTGATGATTCGGAGAGCGAAAACGAAGAACAAAATGAAGAGGAAGAAGAA  
GAAGAGGATGCTAAGGATGATGAAGATGAGGAAGAAATTTTGCAGAAGCAGCAAAAGAGAA  
AATTGAGGCTGAATGACTTCATGGAAGATGAAGCCGAATTGTCTGGAAGTGATGTAGGTAG  
CGGAGATGAGTATGAAGGAGATGATGATGAGTATGAGGAAGAAGCCATAGATGAAGATCTC  
CCATCTGATGAGGAAGTGCAGGATCAAGTCAATAAAATTCATATGAAAGTTACCATGGATG  
AAGACCAGCGACAGCTTCGTTTCTATCAGGAGCGGTACCTGGCTGATGGGGATCTCCATAG  
TGACGGACCAGGGAGAACAAGAAAGTTTCAGATGGAAACATCTTGATGATGCCTCACAGGTG  
GACATGTTCCGCCGAGACTCTGAATTGGAAGAGGTGGACGGAGAGAATGAGGAAACTGAGG  
AAACCGAACTTAAATGGAGGAAAGAGCGGTTTCAAAGGGAACAATGGCTGCGAGAACAGCC  
ACAAGGTAGTAGAGATAACAATGAGGAGGAGGAGGAGGATATTGGAGAAGACAGCCAGTTT  
ATGAAATTGGCAAAGAAGGTCACTGCAAAAGCCCTACAGAGAAAAGTGAGTACAGAGACTA  
ATGAACCAAAGAAACCTGGGCCTAGAAATCCATATGAAGTGATCAGGCCTTTCAGCCTCCC  
CAAGTTGCGTACTGGTTCGCTGTAAAGCAAACCAAAAGAAGTTTTACAGAAGCTGGCAGCT  
GTGTCAGACCTGAATCCAAATGCACCTCGAAACTCAAGAACTTTGTCTTCCAACTGTCT  
CACCCGGAAGAAAGAAGAACTACAGACAAGCCAAGATCAAAGGTACGAAAGAATATAGC  
TGTTGCCATGCCTTCCCCTAAACGTTTTTAAAGGGACAGCACCCCTACTGTTAAAGCCGC  
AGTATATTTTCAGTTGTTGGAGTAGGTTTCTGCGAATATTCCACTAAATCAGTAATTTGTTT  
TTGTGTCCTAGTTACAGCAAATTCATATTTTAAATGTAGCTGTGCTTACATGCTACAGTTC  
TCGCTTTACTGAAATTTGTCAGATACTTGAAGTAAAGTGTTCATCATGAAATTAGTTGT  
GCTGCATGTTATTACATACAGAGGCATGTGAAATACACTGTGTATTTCTATTGCCTTGTGTC  
AAATGTTCTACACTTGTTTTGTTCAAAATTACACAAACCGTATCACCTAATGTAAATCTAC  
CTCATAGAGATACAGATACCCTACAAAATACAGTAATTTTGTTCACCAACCCATATAT  
TTTGTACTTTGCATTCTTATTCTATTCTTAAATGTACTCCATTTACAAGTGCTGATTTAT  
AAAGGGGCATTGTACCTATTTGTTCAACACAAGTTCAATTACGTCATGTGCTGAACATGCT  
CTCCCCCATCTTAAAATATGTTTTTCTTATGAATTGCATTAAACAGGGCACAACACTGAA  
ACTATAAGTTTATGGGAGTGCTGGTAAAAACAACAACCTATTAGTGCTTTATAATATAAAA  
AATTAGGTTATTATATGGAATTGTTTTTAATTAACAATAAGCAGAACAATTTAAACAA  
GTCCTATTTATTTTGTCTCATGTTAAATAAAAGTGTATATATCCATATACTACCCGTTTAAA  
CTGTGTAATGAATGTGTTTCTTGTAATATATTTTATTGTACATTGTTATAAATGTTTGTGA  
GATTTGTTAATAAATACATTTTTTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

FIGURE 1B

SEQ ID NO:2: Xenopus Claspin amino acid sequence

MAALCEEEQVFLEPEDISLKIVETDSDSGQSCEMADQNKLLGCVEDKDTDDDEILVRKKSK  
KKEVLVSDSDSDEELEMRFADNVKGHSNEENEETMSAYREKPRKIRSAVLDSNDSHELD  
VQISTSQNAAEIPESEHDSLEKETHTVKPKTSKSLKKQTDNKEEIVKNKSKRKIPKEKIK  
RRTKQKSKAVAEARPNLNDSGCLLTDGDLFDNGVENEMDSNEEEDSLEAIRAKMKSKLNSH  
SAENFEDFELDTTEGNQESPEKRKERKAARLGKEAMQMHSSETQRLIRESSVSLPYHLPEPK  
TIHDDFFKRRRPLCQGNAMQLIKSTKYQPCTEEKKKPNEEICAEPPEFDYVSKEDLEISPE  
QPLLNTQCSHAAVLCVVQNDARTEGLSKSTEAVVTGQMNDHEDAFSDSNIVHEQETVGLIT  
VTETFQTPFIPQESVVCQIQNDVVEMQRMPEQPTHKPKLSKLEKLKALGVDLSIKPRLC  
PDDGSFVNLDPEPKPNKEFEALKERFLKHTLQSKPRTKVNLNIRKETTADGKEELKAD  
VVPVIMATEKPKDSIYQKPGEKLQVLKVKLQEAMKIRRSEERLKRQALYKLDNEDGFEDDE  
EEEEMTEESEDDGDGNAETADYPGGEDEEEVGDAAEDDNDDEDDTVNDRLLGNVPEIIVPLPR  
PVTDDSSLMLFKDNSSKLGDSLDPDESGCKRSSRLEYEEDSLLPQLKENSHNSSFELISSMI  
PSYQPCNKTTTRVVINSNNLGFSPSPVHFKTSFLSSASKSSGKMSEPSLPVEDSQDLYNAS  
PEPKASYLCAGRNSQFQFSLEDDTQSQLLDADGFLNVGRHKSSSAKHLALDMDENAMDA  
NMDELLDLCSGQFKESLSGTSQAAESDAKKQPMDELLELCGKFVVSQADCSTQDSSASAKD  
RSTAVKKDISDEVATVSSSFLTEREQEEDDEEEFGEFKLLPCDDSESENEEQNEEEEEED  
AKDDEDEEEILQKQQRKRLRLNDFMEDEAELSGSDVGSGDEYEGDDDEYEEEAIDEDLPSD  
EELQDQVNKIHMKVTMDQDQRLRFYQERYLADGDLHSDGPGRTRKFRWKHLDDASQVDMF  
RRDSELEEVDGENEETEETELKWRKERFEREQWLREQPQGSRDNNEEEEDIGEDSQFMKL  
AKKVTAKALQRKVSTETNEPKKPGPRNPYEVIRPFSLPKLRTGSLLSKPKEVLQKLAAVSD  
LNPANAPRNSRNFVFQTVSPGKKEETTDKPRSKVRKNIAMVAMPSPKRFRDSTPTVKSRISIF  
QLLE

FIGURE 1C

092609 10494

SEQ ID NO:3

Human Claspin nucleotide sequence AF297866

GACGGCGGGAGCCGCTGCTCTCCGGCTGAGGGAATCAGAGACAGCTCCGTCCCTAGTGGAG  
CGCAGGGGAGGCAGAAGTCATGACAGGCGAGGTGGGTCTGAGGTTACCTAGAAATCAAT  
GACCCAAACGTCATTTTACAAGAGGAAGCAGATAGTCCTTCAGATAGTGGACAGGGCAGCT  
ATGAAACAATTGGACCCTTGAGTGAAGGAGATTGAGATGAAGAGATATTTGTAAGTAAGAA  
GTTGAAAAACAGGAAGGTTCTACAAGACAGTGATTCCGAAACAGAGGACACAAATGCCTCT  
CCAGAGAAAACTACCTATGACAGTGCCGAGGAGGAAAATAAAGAGAATTTATATGCTGGGA  
AAAATACAAAAATCAAAGGATTTACAAAACGTGGCAGACAGTGATGAAAGTTACATGGA  
AAAGTCTTTGTATCAGGAAAATCTTGAAGCGCAAGTGAAACCTTGCTTAGAGCTGAGTCTT  
CAGTCTGGAACTCTACAGACTTTACCACTGACAGAAAGAGTTCCAAAAAGCACATACATG  
ATAAAGAAGGAACTGCAGGAAAAGCAAAAGTAAAATCAAAAAGAAGACTTGAGAAAGAGGA  
GAGAAAAATGGAAAAAATTAGACAGCTAAAAAAGAAGGAAACAAAAACCAGGAAGATGAT  
GTAGAACAGCCATTTAATGACAGTGGCTGTCTTCTTGTGGATAAAGACCTTTTTGAACTG  
GGTTGGAGGATGAAAATAACTCTCCATTGGAAGATGAAGAGTCATTAGAATCAATAAGAGC  
AGCTGTAAAAAACAAAGTAAAAAAGCACAAGAAAAAAGAACCATCTTTGGAGAGTGGGGTC  
CATTCAATTTGAGGAAGGAAGTGAGTTATCAAAGGAACCACGAGGAAGGAAAGAAAGGCAG  
CCAGATTAAGTAAAGAAGCATTAAACAACCTGCATAGTGAGACTCAGCGCCTTATTTCGAGA  
GTCTGCACTGAACCTTCCATATCATATGCCTGAGAATAAAACCATTTCATGATTTCTTCAA  
CGTAAACCCCGGCCCACTTGCCACGGAAATGCCATGGCACTATTGAAGTCATCTAAATATC  
AGTCAAGCCATCACAAAGAAATCATAGACACTGCAAATACTACTGAAATGAACAGTGATCA  
CCATAGTAAAGGTTCTGAGCAGACAACAGGTGCAGAAAATGAAGTGGAACTAATGCACTC  
CCTGTAGTTTCAAAGGAAACCCAGATCATTACTGGATCAGATGAGTCTTGCAGGAAGGATT  
TGGTAAAAAATGAAGAGCTAGAAATTGAGGAGAAACAGAAGCAGAGTGACATTAGACCTTC  
ACCTGGGGACAGCTCAGTGTTGCAACAGGAATCCAACCTTCCTCGGGAACAATCACAGTGAG  
GAATGTCAGGTTGGAGGGCTTGTAGCATTGTAACCTCATGCCCTGGAGGGTGAAGGCCCCC  
AAAATCCAGAAGAAACAGATGAGAAAGTGGAAGAGCCTGAGCAGCAAAATAAATCATCAGC  
AGTTGGGCCACCTGAAAAAGTGAGACGGTTTACTCTGGATAGACTTAAGCAACTGGGAGTA  
GATGTTTCCATTAAACCACGGCTAGGTGCTGATGAAGATTCCTTTGTGATACTTGAACCTG  
AAACCAACAGAGAACTGGAAGCCTTGAAGCAGCGTTTCTGGAAGCATGCTAATCCAGCAGC  
CAAACCCAGGGCTGGTCAGACAGTGAATGTGAACGTCATAGTGAAAGACATGGGCACTGAT  
GGAAAGGAAGAGCTAAAAGCAGATGTGGTACCTGTGACTTTAGCACCTAAGAAGTTGGATG  
GAGCAAGCCACACAAAACCAGGTGAAAAGCTTCAGGTGTTAAAAGCTAAACTGCAAGAAGC  
AATGAAACTCCGAAGGTTTGAGGAGCGCCAGAAGCGCCAAGCACTGTTTAAATTAGATAAT  
GAAGATGGGTCTGAGGAAGAGGAGGAGGAAGAGGAAGAAATGACAGATGAGTCTGAGGAAG  
ATGGAGAAGAGAAGGTAGAGAAAGAAGAGAAAGAGGAAGAACTAGAGGAAGAGGAGGGGAA  
AGAAGAGGAGGAGGAAGAAGAAGGAAATCAGGAGACTGCAGAATTCCTTCTTAGTAGTGAA  
GAAATAGAAACAAAAGATGAAAAAGAAATGGATAAAGAAAATAATGATGGCAGTAGTGAAA  
TTGGCAAGGCAGTTGGCTTCCCTCTCTGTTCCCAAGTCTCTCTCATCAGATTCTACTTTACT  
TCTGTTTAAAGGACAGCTCTTCCAAGATGGGTACTCTCCTACTGAAGAAAAATCAGAAACA  
GATGAAACTCAGGCAAGCAGCCTAGCAAACCTGGATGAGGATGATTCATGTTTCATTGCTAA  
CAAAGGAGAGCAGCCACAATAGCAGCTTTGAGCTGATTGGCTCCACGATTCCATCCTATCA

FIGURE 2A

GCCTTGCAACAGACAAACAGGCCGTGGGACCAGTTTTTTCCCTACAGCAGGAGGATTTCAGA  
TCTCCTTCCCCTGGGCTATTTTCGAGCCAGTTTGGTCAGCTCAGCTTCTAAGAGTTCAGGGA  
AACTGTCTGAGCCTTCACTTCCCATAGAGGATTCCCAGGATCTGTATAACGCCTCCCCAGA  
GCCTAAGACACTTTTCTAGGAGCAGGAGACTTCCAGTTCTGTTTAGAAGATGACACTCAG  
AGCCAACTGTTGGATGCAGATGGGTCTTAAATGTTAGAAACCACAGGAATCAGTACCAAG  
CTTTGAAGCCTCGATTGCCATTGGCCAGTATGGATGAGAATGCCATGGATGCCAACATGGA  
TGAGCTGTTGGATTTGTGTACTGGAAAGTTCACATCTCAGGCTGAAAAACATCTACCCAGG  
AAGAGTGACAAGAAAGAGAACATGGAGGAACTTCTGAACCTTTGTTTCAGGAAAATTCACTT  
CTCAGGATGCCTCCACTCCAGCCTCATCAGAGTTAAATAAACAGGAGAAGGAGAGCAGCAT  
GGGTGATCCAATGGAAGAAGCACTTGCTCTTTGCTCAGGCTCTTTTCCCACAGACAAGGAA  
GAGGAAGACGAGGAGGAGGAATTTGGAGACTTTTCGGCTTGTTTCAAATGATAATGAGTTTG  
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TGATGATGAAGAAGAACTCCTGAAGCGATCTGAGAAGTTGAAAAGGCAAATGAGGTTGAGG  
AAATACCTGGAGGATGAGGCAGAGGTGTCAGGAAGTGATGTGGGAAGCGAAGATGAGTATG  
ATGGGGAAGAAATTGATGAATATGAAGAGGACGTAATTGATGAAGTACTTCCTTCTGATGA  
GGAAGTGCAGAGTCAAATCAAGAAAATACACATGAAAACATGTTGGATGATGATAAGCGA  
CAGCTACGTTTATACCAAGAGAGGTACCTTGCTGATGGGGATCTGCACAGCGATGGTCCTG  
GGCGAATGAGGAAGTTTCGATGGAAAAACATAGATGATGCTTCCCAGATGGACTTGTTCCA  
CAGAGACTCTGATGATGATCAGACTGAAGAACAGCTTGATGAGTCAGAAGCCAGGTGGAGG  
AAGGAGCGAATTGAACGAGAGCAGTGGCTTCGGGACATGGCACAGCAGGGGAAAATTACAG  
CTGAAGAAGAAGAAGAAATTGGGGAGGACAGTCAGTTTATGATACTGGCCAAGAAAGTTAC  
AGCCAAAGCACTGCAGAAGAATGCCAGTCGCCCTATGGTTATTTCAGGAATCAAAGTCTTTG  
CTCAGAAATCCTTTTTGAAGCCATCAGACCAGGAAGTGCTCAACAGGTGAAGACAGGCTCAC  
TGCTAAACCAGCCCAAAGCTGTGCTTCAGAACTGGCTGCTCTCTGACCATAACCCAG  
TGCTCCTCGAAATTCAAGAACTTTGTCTTTCATACACTTTCTCCTGTCAAGGCTGAGGCG  
GCAAAGGAATCGTCTAAGTCTCAGAAGATCCCAGAGAAGGACTCTGACTGGCTCACCTGGA  
GTGGAGCTCCTATCCCTGGATTCTTCAGGCTTTCATTTGACCCACATGGTTAAGCTGGGAG  
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TTATGGCTCTGTGGTCTGGGCAGAACTGCATAACCCTAGATCACCAAGCTGAGAGCCTTT  
AGGAGTGAGGATTTGGGCGGGCATGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGG  
CCGAGGTGGGTGGATCACAAGGTGAGGAGATCAAGACCAACCTGACCAACATGGTGAGGCC  
CCATCTCTACTAAAAATACAAAAATTAGCTGACGTGATGCATGCACCTGTAATCCCAGCTA  
CTCGGGAGGCTGAGGCGGGAGAATCGCTTGAACCCGGGAGGTTGGAGGTTGCGGTGGGCCG  
AGATTGCGCCACTGCACTCCAGCCTGGGCGACAGAGCGGGACTCCATCTCAAAAAAAAAA  
AAAAAAGTGAGGATTTGGGTACCCCCAGGCTGAAGGCCAGGGGAACCTGAATGATAAGGG  
AAGGGAAAACCTTAGGCCACAGTCTGATTAGAAATGGGGCTGAATTCACCCTGTTTTTCT  
TTACTGGAGATTCAATTTGAATTACTCTGCCTCCCTTCTTATTCCTTTTCCCTTTTAAAAA  
GTCATCATAATCATAAAAATTTCTTTTCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

FIGURE 2B

SEQ ID NO:4

Human Claspin amino acid sequence

MTGEVGSEVHLEINDPNVISQEEADSPSDSGQGSYETIGPLSEGDSDEEIFVSKKLKNRKV  
LQSDSETEDTNASPEKTTYDSAEENKENLYAGKNTKIKRIYKTVADSDSYMEKSLYQE  
NLEAQVKPCLELSLQSGNSTDFTTDRKSSKKHIHDKEGTAGKAKVKSKRRLEKEERKMEKI  
RQLKKKETKNQEDDVEQPFNDSGCLLVDKDLFETGLEDENNSPLEDEESLESIRAAVKNKV  
KKHKKKEPSLESVHSFEEGSELKGTTRKERKAARLSKEALKQLHSETQRLIRESALNLP  
YHMPENKTIHDFFRKRPPTCHGNAMALLKSSKYQSSHHKEIIDTANTTEMNSDHHSKGSE  
QTTGAENEVETNALPVVSKETQIITGSDSCRKDLVKNEELEIQEKQKQSDIRPSPGDSSV  
LQQESNFLGNNHSEECQVGGLVAFEPHALEGEGPQNPEETDEKVEEPEQQNKSSAVGPPEK  
VRRFTLDRLKQLGVDVSIKPRLGADEDSEFVILEPETNRELEALKQRFWKHANPAAPRAGQ  
TVNVNVIVKDMGTDGKEELKADVVPVTLAPKKLDGASHTKPGEKLQVLKAKLQEAMKLRRF  
EERQKRQALFKLDNEDGSEEEEEEEEEEMTDESEEDGEKVEKEEKEEELEEEEGKEEEEE  
EGNQETAFFLLSSEEIETKDEKEMDKENNDGSSEIGKAVGFLSVPKSLSSDSTLLLFKDSS  
SKMGYSPTTEKSETDENSGKQPSKLDDEDDSCSLLTKESSHNSSEFELIGSTIPSYQPCNRQT  
GRGTSFFPTAGGFRSPSPGLFRASLVSSASKSSGKLSEPSLPIEDSQDLYNASPEPKTLFL  
GAGDFQFCLEDDTQSQLLDADGFLNVRNHRNQYQALKPRLPLASMDENAMDANMDELDDLC  
TGKFTSQAEKHLPRKSDKKNMEELLNLCSGKFTSQDASTPASSELNKQEKESMGDPME  
ALALCSGSFPTDKEEEDEEEFGDFRLVSNDFDSDEDEHSDSGNDLALEDHEDDDEEEL  
LKRSEKLKRQMLRKYLEDEAEVSGSDVGSEDEYDGEIIDEYEEDVIDEVLPSDEELQSQI  
KKIHMKTMLDDDKRQLRLYQERYLADGDLHSDGPGMRMRKFRWKNIDDASQMDLFHRDSDDD  
QTEEQLDSEARWRKERIEREQWLRDMAQQGKITAEIEEEIGEDSQFMILAKKVTAKALQK  
NASRPMVIOESKSLLRNPFEAIRPGSAQQVKTSLLNQPKAVLQKLAALSDHNPSAPRNSR  
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FIGURE 2C

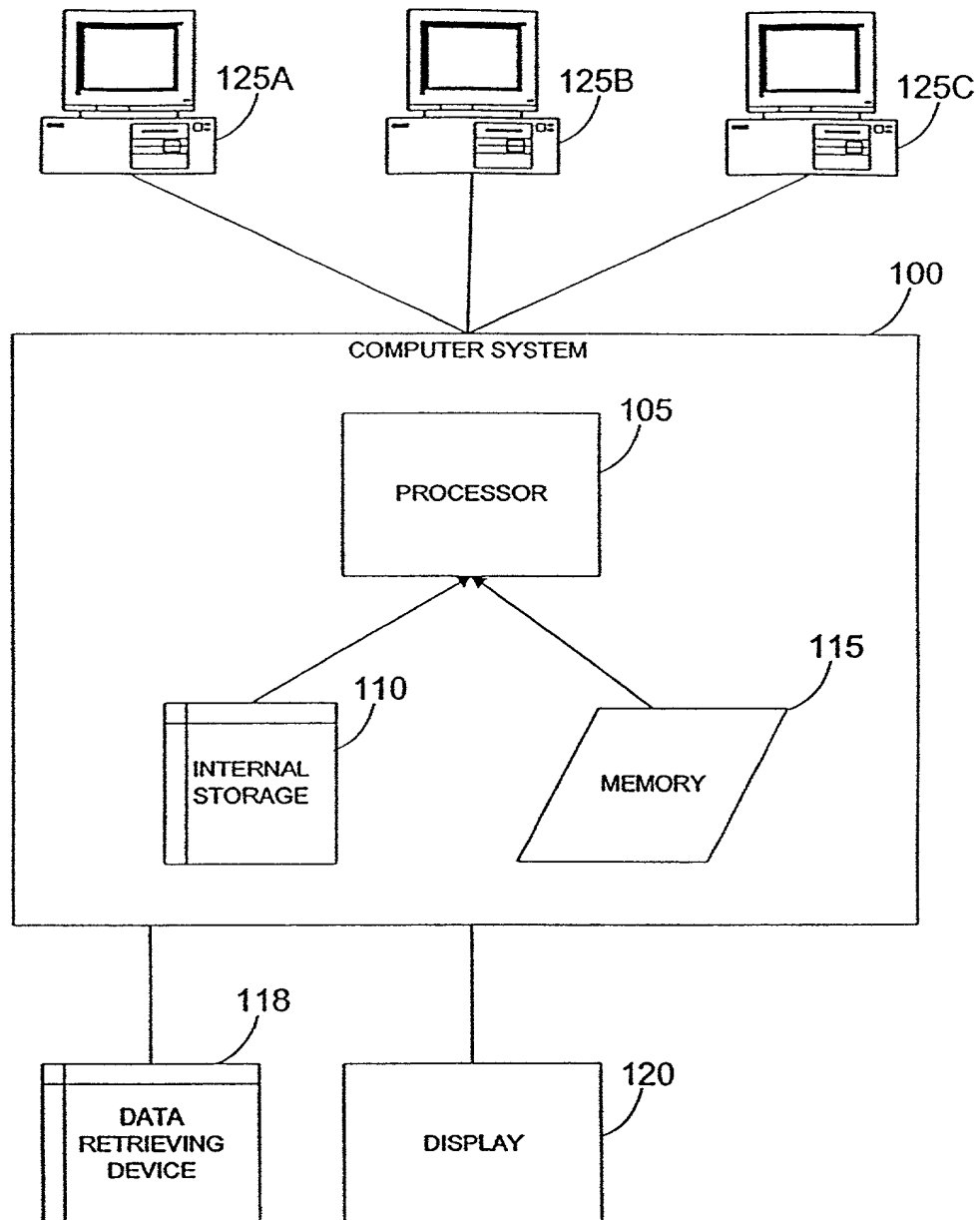


FIGURE 3

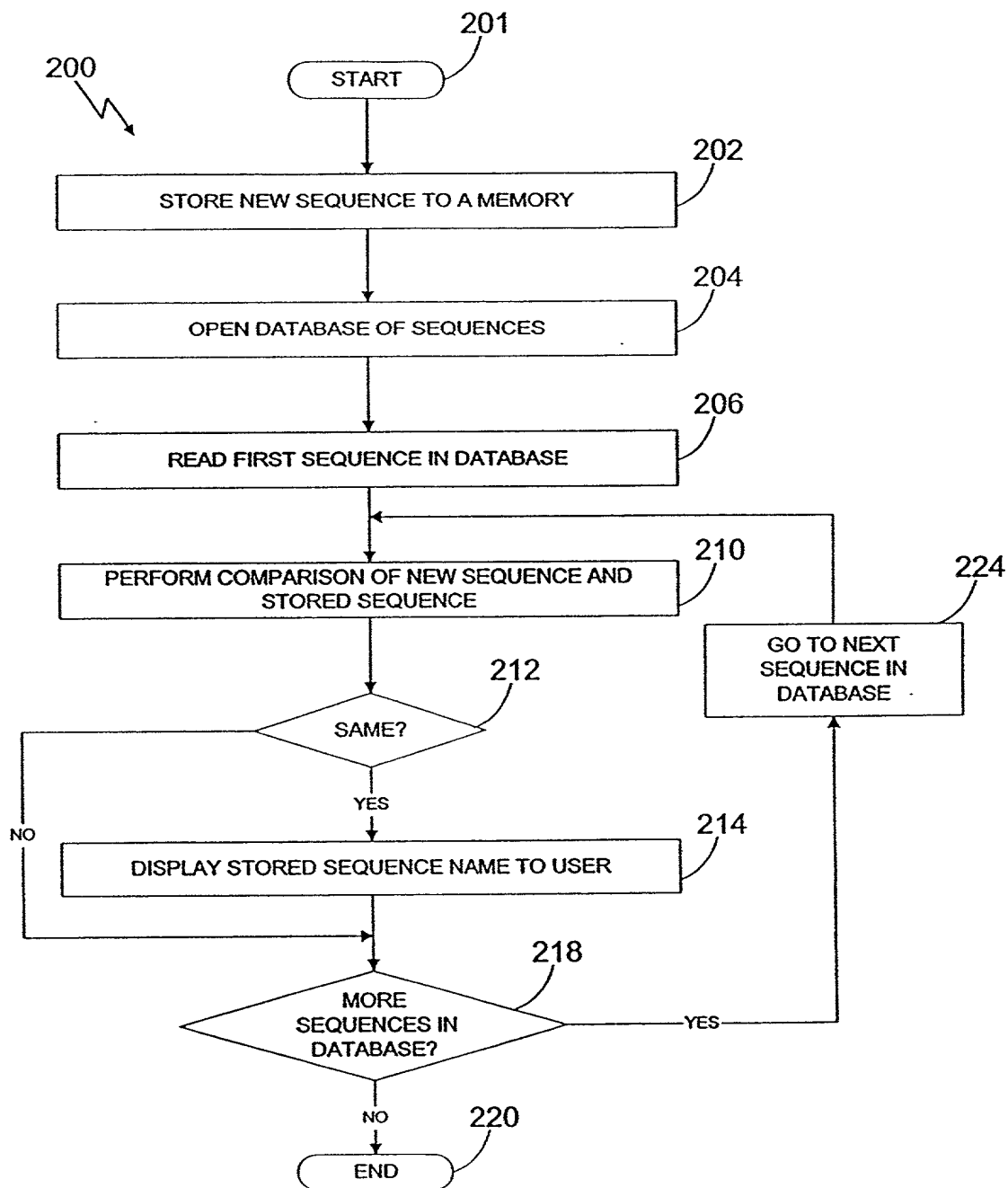


FIGURE 4



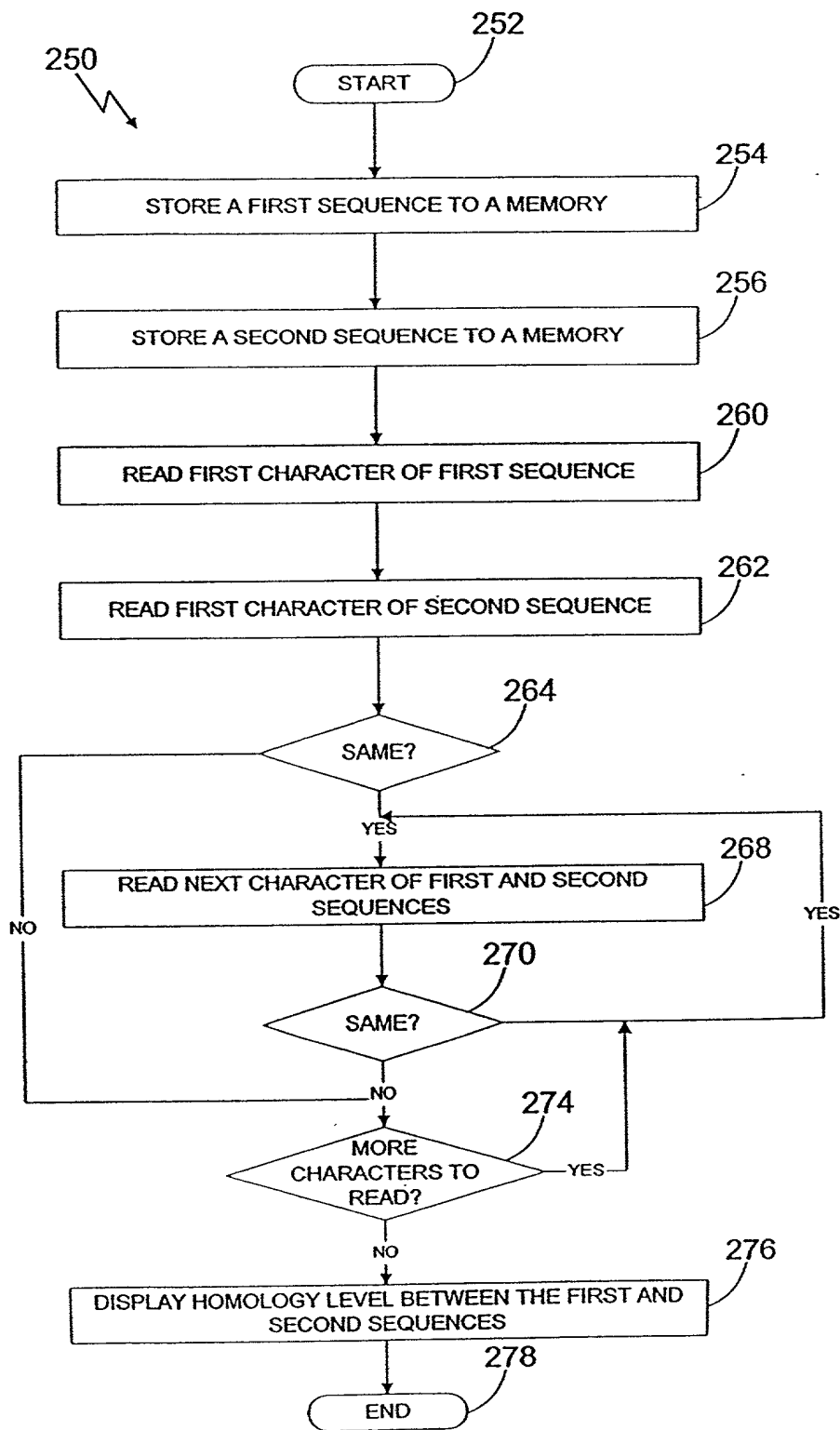


FIGURE 5

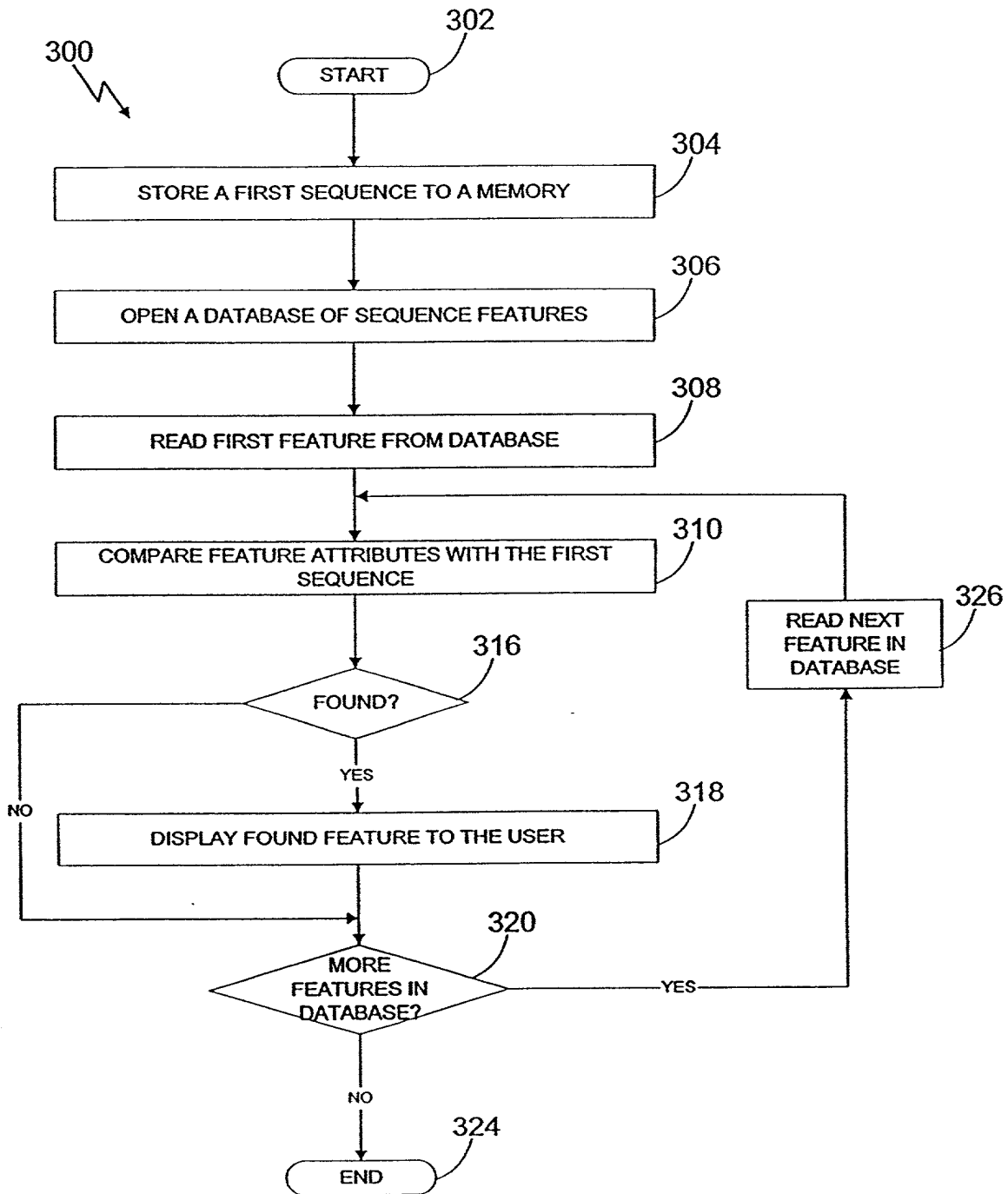


FIGURE 6

Human\_Claspin\_Genomic Sequence Length: 58837 Type: N

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1  AAGCAGGTAG TTTTAAACTT TACTCCAGAG GAATAGCAGT ACTAAAAATG
51  TAACATGGTA ATCTTCCTCA ATTTGCAGAA AAAGAAATAA AAGACATAAT
101 TCAGTCAATT ATCTTCCTCC AAACCTTCTT AAGCCTTTGG TTTCTGCTTT
151 TGTCTGCCAA GGAGCACAAT ATAAATAGAG CACTTTTAGA ACTGGCTGAG
201 CATGTTAAGT TCCATGGCTG ATTTTTTCCC AGACTTGTA TGTGAGAATT
251 GCTTTTAAAT TATTTTTTTG TGATATAATA ATATATCCTA CTAGTTAAAA
301 TGTTCGCGCA TTCAAATGAC CAGATTAACA GCATCAGTAC TGCAAAATGC
351 TTCCTATGAA GTGCTATACT TTCGGGTGCC CTACTCATTA AACCTATTTG
401 AGAATCATGA TCTCATCCAG TGTTTTCTAG TTACAAAAAA GAACAAGTTT
451 CTTTTCTTTT TTTGAAATGG AGTCTTGCTC TGTACCCAG GCTGGAGTGC
501 AGTGGTGCAC GATCTCAGCT CACCACAATC TCCGCCTCCC AGGTTCAAGC
551 AATTCTCCTG CCTCAGCCTC CCAAGTAGCT GGGACTACAG GTGCCCCCCA
601 CCACGCCCGG CTAATTTTTG TGTTTTTAGT AGAGTCAGGG TTTCACCATG
651 TTGGCCAGGC TGGTCTCAAA CTCCTGGCCT CAAGTGATCT GACTGCCCTA
701 GCCTCCCAAA ATTCTGGGAT TACAGGCATG ACCCACTGCA CCCAACCTCC
751 AAAAAAGAAC ACATTTCTG GACAGGTTT AGACTAATCC CTGTAAAGTG AGCATCCAG
801 GCCCTCTATG GCAGAGGTTT AGACTAATCC CTGTAAAGTG AGCATCCAG
851 ATGTTTCCTT TGTTGCCATT TATCAACTTG ATAAACAAGG ATTGTTGGAT
901 GACTACAACA ATGAAGGGAC AGAGAGGTCA AGGTGATTCA CAGGTTTCTA
951 AACTGGTGAG TGGATATGGT TCCACTCACC AAAATTGAGA ATACAGGTTG
1001 CTAATTCTAA ATACAGACTC ACTTTATCTT GGCACAAGTT AATGTGTAAA
1051 ATAAAAGTTT CCTGGGGATG GGAGGAGTAT GAAGTTGTTG CTTAATGGGC
1101 ATAGAGTTTC AGTTTGTCAA GATGAAAGGA GTTCTAGGCC AGGCCCCGTT
1151 GGTACACACT GTAATCCCAG CGCTTTGGGA GGCCGAGGTG CATGGGTCAC
1201 TTGAGGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCCGTC
1251 TCTCCTAAGA ATACATACAA AAAAGTAGCC AGGCGTGGTG GCAGGTGCCT
1301 GTAATCCCAG CTACTTGGGA GGCTGAGGCA GGAGAATTGC TTGAACCCGG
1351 GAGGCAGAGG TTGCAGTGAG CCAAGATAGC ACCATTGCAT TCCAGCCTAG
1401 GCAACAAGAG CAAAACCTCA TTTCAAAAAA AAAAAAGAAG AGAAAAAGAA
1451 AAGAATTCTG AAGATTGGTA GATTGGTTAC ATAACAATTT GAATGTACTT
1501 CTGAACGCA TACTTTAAAA TGGTTAAGAT GGTAAATTTT ATGTTATATA
1551 TGTTTTACCA CAATAAAAAAT TGAATGAAAG GTTTTCCTTT CCTAGCTTAC
1601 CCATGTCCAC CCATTGTTCA AATTGGAGCT TTCTCTCTTA GCTTCTGTGA
1651 TGAGTGAAAA GGTGCTCCCC AAAGATATTT TAAAATACTA ATATAAGGAA
1701 TATTATTTCA CTCATTCAAT TTCAGAGGGA GCTCAAGAAG TTGTCAAGTG
1751 AATGAATTAA TTAGTTCAAC AAATATTTAT CAGTTTTCTT ACCTTGAACC
1801 TGGGATGTTT TAAGTCCTTT GTTCTCAAAG TGTGGTCTCC AGATCAGCAA
1851 CACTAGCATC ACCAGGGAAT TTGTTAGTAA TATACATTCC TGTGGGGCAC
1901 GGTGGTTCAT GCCCGTAATC CCAGCACTTT GCGAGGCCGA GATGTGCAGG
1951 TTGCTTGAGT CCAGGAGTTT GAGACCAGCT TGGGCAACAT GGTGACACCC
2001 CGTCTCTACA AAATAAAAAA TTAGCTGGGC ATGGTGGTGC ACACCTGTAG
2051 TCCCAGCCAC TTGGGAGGCT GAGGTGGAAG GGTGCTTGA GCCTGGGAGG
2101 TTGAGGCTGC AGTGAGCTGT GATCATGCCA CTGCACTCAG GGAGAAAAAG
2151 AAAAAAGGA AAGAAAGAAG TATACATCTC TGGACCCAC TTCAGACATA
2201 CTGAATCAGA AACTTTGGCA CTAGGACCCA ACAATAGCTG TTTTACCAG
2251 CCTTTCAGAT TATTCTGATG CATGCTCAAG TTTAAGAAAG ACAATTCTAG
2301 GTTGCAATGA TACAGAGGCC AAGAAAACAA AACGCCTGTT CTCTGGGAGC
2351 AACAACAGAC AAATAGATAT AAATAAAATT TCAGGCAAAG GAAAGTGTTA
2401 TCAGGGAAC CAGCATAGGA TAAGGAGGCA GAACACAGAG GATGCTCAGG
2451 CAGGGTCTTT CTGAGGGGTA TGAGCTCTGA AGTCACATAG AGTCTGAAAA
2501 TTGGCTCCAC CAGTTTCTAG CCTTTTAAAA GTCTGGTTTC CTCATCTTCT
2551 AAGAAAGAGA TAATAATATT ACAAGTTTAC TCTGAAGATT AAATAAGATA

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FIGURE 7A

2601 ACACTTATAA AATCCTTGCA ACTGTTTCTG CCACTGAGTA AGGCTTCAAT  
 2651 AAACGTTAGC CCTCCATATA TGATGGGGAG TGCCATAGAT GTATACCTGG  
 2701 GAATCGTTGA TGTAGAAATT AATAGTAAAT GGATGAAAAG GTGGATAAAC  
 2751 CAAGACACAA AAAGAGAAGA GGATGGATGA TGGGCTCTTG TTGGTGGGGA  
 2801 CAGAAGTGGA TTGAGAGATG GTGGGGAAGT AAAGAAATGA AGATGTGGAG  
 2851 AGGGAGCTTT TTTCTGAACC CAGCTAAAGG TGGAACTTG GAAGAGGAGG  
 2901 CCACTGGATT GGGTGAAGAA CCAACCATT TGTATACCTG TGAAGGAGGA  
 2951 GGTTCCTCAGG ATGCAGGACT TTTAGTGCTA AAAGTAGGAA AGTCTTGGGC  
 3001 AAGCTGGGCC AAGCTGGCCA CACTGGCAGT GGATATGACC ATGGAGGGTG  
 3051 AAGTGAGCAA TAAATACTCT GACCTTTCTT TCCTGGTGGC CTCTCATCTC  
 3101 CTTACAGTAA CCTTATAAGG TGTCTTTACA GGGGCTTGAC CCAACCAGAA  
 3151 GGGCAAGGGA GCTGGGATAA TACAGTCTAG AGAGGTCAGC CTGCGCTTGA  
 3201 CACACACCAG GGTAAAGGAA GGACAGAGAA TTGACCTGGA GAGGCAAAAA  
 3251 ATAATGGCCA GCACAGTGGC AAAACTGGGA TTAGAATTGT CTGGGATAGG  
 3301 CCAGGTGCGG TGAAGTACAC CTGTAATCCC AGCACTTTGG GAGGCTGAGA  
 3351 CGGGCGGATC ACGAGGTCAG GAGTTCAAGA TCAGCCTGGC CAAAATGGTG  
 3401 AAATCTTGTC TCTACTAAAG TTACAAAAAA TTATCTGAGC GTGGTGGCAC  
 3451 ATGCTTATAA TCCTAGCTAC TCAGGAGGCT GAGGCAGGAG AATCGCTTGA  
 3501 ACCCGGGAGG CGGAGGTTGC AGTGAGCCGA GATCACGCCA TTGCACCCAG  
 3551 CCATGGTGAC AGGGAGAGAC TCTGTCTCAA CAAAAAATAA AAAAAAATAA  
 3601 AAAGAACTGT GTCTGGGATA AACCTGATTT CAGAGCTTCA ATTCTTTTTT  
 3651 CAGCCTTGTT TAAAGGTAGA ATGCCCTCTA GGAGTGATGA GTGCTTTCTA  
 3701 CATCCTCAAA TTAAGTCTAC AGAGAATTAT AAAGATTATC CAACCATATT  
 3751 CTTTGGTATC TGAGCAGCCC ACAAACCTTT TTTCTTTAGA GACAAGGTCT  
 3801 CCCTCTATCG CCTACGCTGA AGTGCAGTGG TGCATCATA ACTCACTCTA  
 3851 ACCTCAAACCT CCTGACTCA AGCCATCCTC CCACCTCGGC CTCCTAAAGC  
 3901 GTTGAGATTA CAAGCGTGAG CCATGGAGCC CGGCCCTCTT TAAAAAATAA  
 3951 AAGTGGGCCG GGCACAGTGG CTCACGCCTG TGAGGGGTAT GAGGCCTCCC  
 4001 AGCACTTTGG GAGGCCGAGG CGAGGATCAT TTGAGATCAG GAGTTCGAGA  
 4051 CCAGCCTGGC CAACATGGTG AAACCCCGTC TCTACTAAAA ATACAAAAAT  
 4101 TAGCCAGGGG TTGGTGGCGG GTGCCTGTAA TCCTAGCTAC TCAGGAGGCT  
 4151 GAGGCACGAG AATCGCTTGA ACCCGGGAGG CGGAGGTTGC AGTGAGCCGA  
 4201 GATCGCGCCA CTGCATTTCA TCCTGGCTAA CAGAGGGAGA CTCCATCTCA  
 4251 AAAAAAATAA AAGTGTGTGT GTATACACAT ACATGTGTAT GTGTATATAT  
 4301 GTGTATGTAT ATATGTGTGT ACATATGTGT GTGTGTGTGT ATATATATAT  
 4351 ATATATATAT ATATATATAT ATATATATAT ATTCAGTGGT AAGTGTCTAT  
 4401 TACAAGAGGC ACACAGGATC TAGCTGCTCC AGAAATGAAG TCAGTGGAGA  
 4451 AAATCCCCAC GGGAACCTTG GAATTCCTCT AAAAAGTTCA GGTACAGGAC  
 4501 ACTCCCAGGT GCCCAGGAAC CGTTTCCCAG CTCACTTCCC CCCGAAAGAC  
 4551 TCACCCCTCC AATCGCACTC GATGCTTTGG CAAGTGTCAG AGGTCAAAGA  
 4601 CCACGGCTCG CCTGGTACCG ACTGCCCCGC CCCCCTGCAC CTCCAGCTCC  
 4651 CCCAGGCTCC GCTACCAGCA GCTGCGACCC GCCAAGTCTAG CCTGGGTAAT  
 4701 AGGAGATTGG GCGGCCAGAG GCGCTGCGTG ATTGGTGGGT CGGAAGGGGG  
 4751 CGGGGACTCG CTGGAAGGCC CCCTCTGGAT TGGTGCAAAC CATCTGGGTG  
 4801 GGACCTCCAC TCTGGCTGGG CGGGAAAGCA AGAACAGCAC TGCTGGGCTG  
 4851 GAGACGGCGG GAGCCGCTGC TCTCCGGCTG AGGGAATCAG AGACAGCTCC  
 4901 GTCCCTAGTG GAGCGCAGGG GAGGCAGAAG TCATGACAGG CGAGGTGGGT  
 4951 TCTGAGGTGA GTTTATGCAC ACGCCCCCA CGGGGGCTTA GAAGGCCGGG  
 5001 CACCGAGAGG TTAGGTGGGG CCGGGGTAGA CCCCCTGAC CCGAGGCGCC  
 5051 CGGGCGGGAG GACTGCGGCT CCGGGCGTTC GCCGCGCCGG CTCCGCGCGC  
 5101 CTCGAGACTC GGCCGGGATG GGTTCGACC GGGCATCCCG TCCCGCCGCG  
 5151 GGGCTTCCCG CGCTTCGGGC TCCGTGGCCG GAGAGCTCCA GGTCTCTGCG  
 5201 GCGCGCACTG CCGGCAGCCC AGCCCTCTT CAGCCGGTTC CTGCCGCCAG  
 5251 CCCTCCCTTT TGGCGCGTTT CCTGTGCGCG AAGCTCCTCC CCTCAGGGTG

FIGURE 7B

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5301 CTCTGAAAGC CGGGAGGCTC TAGCCGAACC CGGCCGCAGC GGTGCGGGGG
5351 GATTCTCCGC AGAGAGAGGG CGAGCGAGGG TGTTAGGGAG TTCCACACTG
5401 GGCCTGGGAG GGGCCCTGGA GGTCATCGCG CGCAGGCCCT TTGCGTTTTTC
5451 CGACCGGGCC CCGAGTGGGG AAGTCACCGC TGGGGCTCCT GGCTGGTGGC
5501 TGGCAGCTCC CTGGCGAAAT TGGGCATAGA AAACAGATGT TTCCAGAGCT
5551 GTGTCCTTTC TGGGCCGGAT TCGGGCAAGG CACTCCCGCC TTAGGAGCAA
5601 AATTTAAAGG GGCGCCAAAA CCCTCAATCA AACTCATATT TTAATGCAAT
5651 ATTTTAAAA AACCAAAATT AATGCAAAAA CTTTTTATGA TTTGATATTG
5701 AACAAAATAT CAGACGTTTA AACAAAGACG AGATCCGACC AGTCATTTGC
5751 ACGACCTTGC CTCAATCACC TCACCCTAAT TCCATCCCTG TTTCCAATAA
5801 ACTTTATTTA CAAAAGCGGG CATATTATTT ACCTCATGAG CTGTAGATTA
5851 TTGATTTAAT TTTTAAAAA ATATTGCATT AATGTTATTC ATTTTGATTA
5901 CTGAATTTTT TGAGACCTCA CCCACCCCTG TTACTGGCCC TGCCCTTTGA
5951 CGTTGCTGCA AATTGCCTAG AAGATAATCG TCATTCAAAG CAGCCCTATT
6001 CCTTGAGCTG TCTGGTTACC TAAATTCCGT TTCCACACTC ACAAACAGAA
6051 GTAATAGTTT TACTGCTTTG GATTGTTGAG AGGATCATCA GTGCATACAT
6101 ATTAATTCTC AGCAATCCCA GCACTTCGGG AGGCTAAGGC CGGCAGATTG
6151 CTTGAGCTCA AGAGTTCGAA ACCAGCCTGC ATAGAAAACA TGGCAAAACC
6201 CCGCCTCTAC AAAAAAAAAA AAATTAGCCG GCGCTCGCCT GTGGTCCCAG
6251 CTA CTGCTCAGTCCAGCTACTC GGGTGGCTGA GGTGAGAGAA TCCTTTGGGC
6301 CTGGGAGGTC AAGGCTGCAG TGAGCCATGA TCCTGCCACT GCACTCCAGC
6351 CTAGGTGACA GAGTGAGACA CTGTATCAAA AAAAAAAAAA ATTTGTACCT
6401 TGCATTCAAA TCAATTTAAT AATTTTTTTT TTTTGGAGAC GGAGTCTCGC
6451 TCTGTTGCCC AGACTGGAGT GCAGTGGCAC AATCTCGGCT CACTGCAACT
6501 TCTGTCTCCT GGATTCAAGC GATTCTCCTG CCCCAGCCTC CTGAGCAGCT
6551 GGGACTACAG GCACACACCA CCACGCCAG CTAATTTTTG TATTTTTAGT
6601 AGATACGGGG TTTTACTGTA TTGGCCAGGC TAGTCTCGAA CTCCTGACCT
6651 TGTGATCCAC CCACCTCGGC CTCCCAAAGT GCTGGGATTA CAGGCGTGAG
6701 CCACCATGCC TGACCAATTT AATAATTTTT TGAGAAACCA CTCAGCTGAG
6751 GCCTTGCGCC CTGTTACATT ACTGATGTTT ATATTTCTCC CTTTATTAAT
6801 AAGTTGATTC AGAGCCCTGA GAACACTAAG GAGGTAGACT TGGCATCTAG
6851 GGTTAGCTTT AAGGTCACCTA ACTGATCAAG TCACCTAACA CACCCTCCT
6901 CCTTAGGTTT TTATTTGCGA CTTTTTAAAC TGTCTTATTT AGAAATTTTC
6951 AAACCTATAC AACCCTAGAA AGGATGGTAT AATGAACCCA TCACCTTACT
7001 TCAACTACAG TTTGAATATC TCTCGTCTGA AATGCTTGGG ACCAGAAGCG
7051 TTTTGAATTT CAGATTCATT TTGGATTTTG GAATATTTCG ATACACATAA
7101 TGAGATATCT TGGGGGAGGG ACCCAAGTCT AAACATGAAA TTCAGTTATA
7151 TTTTCATATAT ACCTTACACA CATAGTCTGA AGGTAATTTT ATACAGCATT
7201 TTAAATAAAT TTCGTGCATG AAGCAAAGGT TTTACTGCAG CTCATCATAT
7251 GAGGTCAGGT GTGGAATTTT CATCTAGTGG CATCATGTCA GTGCTCAAAT
7301 ATTTTGGAAT TGGGAGCATT TCAGATTTTC AGGTTAGAGA TGTTCAACCT
7351 GTATTTTCAA GTCATGGCCA ATCTTGTTTT ATTCATACAG CTACCCATTT
7401 TTCTCTCAC AGGATTATTT GGAAGAAAAT CCAAGATATC ATATTATTTG
7451 AACCACAAAG ATTTTAGTGT GCATATCTAA CAAACAAGAG CTTTCCAAAA
7501 ATAGATACTA CGATATTATT ACCACACCTA AGAAGTATCT AGTCAGTGTT
7551 CAGATTTCTT TGACTCAGAG ATATTTTCATT TATTTTTATA TGCCACTTTA
7601 GCATAATTAT TTACATTTTT AGTTTTTTGA ATCATCATCC GAAGTTGGCA
7651 TTTTGTAATT GTTTATATTA TATATGTGTA TATATGCATA TATGTATGTA
7701 TTTTAAGATA TACATACATA TATAAAGCAT ACATTTATGT ATATAGAAAT
7751 ATACAGGGCC GGTTGTGGTG GCTTACGCTT GTAATTCAG CATTTTGGGA
7801 GGCTGAGGCA GGCGGATCAC CTGAGGTCAA AAGTTCGAGA CCAGCCTGGC
7851 TAACATTGTG AAACCCCGTT TCTACAAAAA ATTAGCCGGG CATGGTGGCA
7901 CGCACCTGTA ATCCAGCTA CTCGGGAGGC TGAGGCTGGA GAATCGCTTG
7951 AACCAGGAG GCGGAGGTTG TAGGGAGCCA AGATCGTGCC ATTGCACTCC

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FIGURE 7C

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8001 AGCTTGGGCA ATAAGAGCGA AACTCCGTCT CAAAAAAGA AAAAAGGAAA
8051 TATACATATA GCCGGGCGTG GTGGCTCACG TCTGTAATCC CACCACTTTG
8101 GGAGGCTGAG GCGGGCGGAT CACCTGAGGT CAGGAGTTGG AGACCAGCCT
8151 GACTAACATG GAGAAACCCC ATCTCTACTA AAAATACAAA ATTAGCCAGA
8201 CGTGGTGACA CATGCCTGTA ATCCCAGCTA CTCGGGAGGC TGAGGCAGGA
8251 GAATCGCTTG AACCTGGGAG GCAGAGGTTG CGGTGAGCCG AGATCGCGCC
8301 GTTGCCTCC ATCCTGGGCG ACAACGGCAA AACTCCATCT CAAAAAAGAA
8351 GAAATATACA CATAGCATAT AGAAATATAC ATACATATAT AAATATATAG
8401 AAATATACAT ACGTACACAC ATATATACAT TCACCTATGT GTTAACCTTC
8451 TTTATAGGTT TCTCTCCCTC TCTTTTTTTT TTCTTTGCAA TATATTGTTA
8501 AAGAAACCGG CCGGGTGCAG TGGCTCATAC CTGTAATCCC AGCATTTTGG
8551 GAGGCCGAGG TGGGCGGATC ACCTGAGGTC AGGAGTTTGC AACCGGCCCTG
8601 GCCAGCATGG TGAAACCTTG TCTCTATTAA AATAGAAAAA ATTAGCTGGG
8651 TGTGTTGATG TGCGCCTGTA ATCCCAGCTA CTCAGGAGGC TGAGGCAGGA
8701 GAATCGCTTG AACCCAGGAG GCAGAGGTTG CAGTGAGCCG AGATTGCACC
8751 ACTGCACTCC AGCCTGGGTG ACAGAGCGAG ATTCTATCTC AAAAAAAAAA
8801 AAAAAAAGA GAGAGAGAGA GAAAGAAACC ACCCAGTTTG ACTTGAGAA
8851 TTTCCACGT CTAGATTGCA TATCTGTGGT ATTATTCAAC ATGTTCCCTC
8901 ATTCCCTCTA TTTCCTATAA CTTGCTAGTT AGATCTAGAG ACTTGATAGG
8951 ATTCAAATTT GATTGTTCTG TCAGGAATAC TTTATGGCTA GTATTGGGTA
9001 CTTCTATTAG GCAGCACATA ATGTCTGGTT GTTTCTCTTT TGGTGATGTT
9051 AGCAGCCATT AATGATAATT GCCTAGGTCT GTTATTTAAT TGAGGGTTGA
9101 TAAATTGTG ATAATCTAAT TCTATCATTT ATTAATTCAT TAGGATATTT
9151 CTCTAAATAG AAACCTCCCC TCATCAATTG TATGGATATA TTGGGGAACA
9201 GTTCACACAG AAAAGGCATA ATAAATGCTT GATTCTTTTC ATTTTTTTTT
9251 TTACCGTTAC TAAAAGAGTT GGTTCGTGTA GCATCCTTCA AAGTGAAAA
9301 ATGAACTTTT GTTTGTTTGT TGTCCAGTAA TTCTAAATGT CATCCCTTCA
9351 AGGAACCATT GTATTTGGTT CTTTCCTTAG TTCAGGTTGA TGATCCCACG
9401 ATGATTTGTG TGTCATTATG TACTTGGAGC TTTCCGTCAC CTGCTGGTTG
9451 ATATAAAGTA TATTGTCATT TTCTAGGTTT ACCTAGAAAT CAATGACCCA
9501 AACGTCATTT CACAAGAGGA AGCAGATAGT CCTTCAGATA GTGGACAGGG
9551 CAGCTATGAA ACAATTGGAC CCTTGAGTGA AGGAGGTTTG TAATAGTACT
9601 TTTATTTTTA GGAATAGGTT GCGGGAGCCT CAGTTGTAAG TAGATTGGAT
9651 TGATTTTCATT ATTCTCTTGA TTTATTACAT TATTAATGCC CCATCCTTAT
9701 TGTTTTTTTT ATTATAAAAG CAAAATAACA GTGCTTGTAC CTTTTTGAAA
9751 CTATGTTATA TTGTTGAATG TCTAATAGCT ACCATATTGC CTGGTTAATT
9801 GCATTCATCC TATAATAAAA GGAATTTTAA CACCTGCCGG AGGTTAGAAC
9851 AACTTTACAC ATTGTAAATA TACGTAAAT TACATTTCCC AGTAAGAGAC
9901 ATTTTCCCA GGGAAAATGT TTTTCAAAT GTATTTTLAG ATTTGCTTTG
9951 CTACAATCAG TTCTTAACAG TAGTCACGTA ATTTCACAAT GTTATATATC
10001 ACTTGATATAA AAATATATTT TTGAGGAGTA GTGGGACTAG GAGGAAGATC
10051 AAATGATGGT ATAATTAAAA GAAATTTGTT TCCTCCAGAT TCAGATGAAG
10101 AGATATTTGT AAGTAAGAAG TTGAAAAACA GGAAGGTTCT ACAAGACAGT
10151 GATTCCGAAA CAGAGGACAC AAATGCCTCT CCAGAGAAAA CTACCTATGA
10201 CAGTGCCGAG GAGGAAAATA AAGAGAATTT ATATGCTGGG AAAAATACAA
10251 AAATCAAAAG GATTTACAAA ACTGTGGCAG ACAGTGATGA AAGTTACATG
10301 GAAAAGTCTT TGTATCAGGA AAATCTTGAA GCGCAAGTGA AACCTTGCTT
10351 AGAGCTGAGT CTTCAGTCTG GAACTCTAC AGACTTTACC ACTGACAGAA
10401 AGAGTTCCAA AAAGCACATA CATGATAAAG AAGGAACTGC AGGAAAAGCA
10451 AAAGTAAAT CAAAAGAAG ACTTGAGAAA GAGGAGAGAA AAATGAAAA
10501 AATTAGACAG CTAAAAAGA AGGAAACAAA AAACCAGGTA CATTTTAAAG
10551 AATAATTTGC TATTGCTTGG GTAGGTTAAC ATTTTAGAAA AGGTTGCTGT
10601 TAGTACTTGA GGTTGTTTCT GCTCTCTGAC TATTGCTTTG AATTGACTAT
10651 TTTGTGTTGA GAATTATTCT CAATAGGTAT GTGATTTAAA ACTAAGTGGT

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FIGURE 7D

10701	CTTGGCCAGG	TGCAGTGGTG	CATACGTCTA	ATCCCAGCAC	TTTGGGAGGC
10751	TGAGGCCAGA	GGGTCACTTA	AGCCCAGGAG	TTCGAGAACA	GCCTAGGCAA
10801	CAGAGTGAGA	TCCCATCTCT	ACAAAAAATT	TAAAAATTAG	TTGGGTGTGG
10851	TGGCCGTAGT	CCCAGCTGTA	GTCCCAACTA	CTTGGGAGGG	TGAGGTGGGA
10901	GAATCACTTG	AGCCCAGGAA	GTGAGGCTG	CAATGAAGCT	GTAATTGTAC
10951	CACTGCATTG	CAGCCTGGAT	GACAGAGTGA	GACCCGTCT	CAAAAAAAAA
11001	AAAAACAAAA	ACCAAAAAAA	CAAACTTAT	TGGTCTTATT	CTATTTTGGG
11051	TATGCAGAGG	ACATTTCCAA	ATAAATGGGT	TTCTGATTTT	CTTTATGAGC
11101	ACATGGAGTA	ATTCTTTGCT	GTCTCTGAGC	TGATGAAAAT	TAACGTAAAG
11151	AAGGCTTTTT	TATGCATCTA	TCAGTCAGTA	GTCTTGTTTG	CTAACTAGAA
11201	AAACCATCCT	CAAATTTATA	AACTAGTTGC	TTAACAAGTA	TTTTACTTCA
11251	AAAAAATATT	TACTGTTTAT	TAAGTTAGTT	TTAGACAGTT	GCATAAAATC
11301	ACAACTTGGA	CTTCAAAGGA	TACATGTGAG	TTAGAAACCA	GTAAGAATGT
11351	TCTAGATTTT	ATATGCTTGT	CTGTTGATGA	AACATGGGCT	TTTTCTGGCC
11401	TGATCCAAAT	TGCCATATGA	TGTTGTGAAA	TACTGGATTT	TTAAATGATT
11451	GGATTATGCT	TTTTGTTTAT	GTATTACTTA	GGAAGATGAT	GTAGAACAGC
11501	CATTTAATGA	CAGTGGCTGT	CTTCTTGTTG	ATAAAGACCT	TTTTGAAACT
11551	GGGTGGGAGG	ATGAAAATAA	CTCTCCATTG	GAAGATGAAG	AGTCATTAGA
11601	ATCAATAAGA	GCAGCTGTAA	AAAACAAAGT	AAAAAAGCAC	AAGGCAAGTA
11651	AAGCATGATT	GCAATAAGAG	TTAATCAACT	GCTTCTGACC	TTTGCTATAT
11701	TTTTAATTTA	CTGTTGGAAC	CTTAATTTTT	TTTTTAACTG	AAGAAAAACT
11751	TGTGTCAGTT	GACTTAAGTG	TTTCAGCTGT	TAATTTTGGA	GACTTGCAGT
11801	ACAAGTGATA	GACATGCTAA	CTTCTTTGGA	AACTAGTGTT	TTGTTATTAC
11851	CCTTTTAGGA	ATGCTGAAAA	AAAAAACCAC	TAAGATATTT	GATGGTGTAG
11901	TAAGATGCAG	GTAAATAATA	GGGAAGAGAT	GTAAATTTTG	CAATCCTATA
11951	GCCTTTGAGA	AATGAACCCT	ATAGGGTTTC	AGGAAGGGTA	TCAAAGAGAG
12001	GCATCAGTCA	AAACATTGTT	GTCCCGAGTG	TTTGGAAGCA	TAATTTTCT
12051	TCCTAAGATT	TTTTTTTAGC	TTCCTGCGAG	TTATTATCCC	TCTTTAGGGA
12101	AAGATGTAAG	CAGAGGTAAA	AGAAATAAGG	GTCCAGACTC	CATCTGAGGT
12151	ATCTGTTTTT	TAAGCATAAT	AGGATGCTGT	GTGTTTAATA	ATTTCTAGTT
12201	GATGATTATT	GATTTATTAA	TGTAGCATGA	TGTGGTGTG	GACTACAAAA
12251	GTAGTCTTCA	GCTAAAGCAT	CCTCTTATTT	GAATTTCTGT	TTTGTCCTAA
12301	TCAACCTGCC	ATTTCTTTTA	GAAAAAGAA	CCATCTTTGG	AGAGTGGGGT
12351	CCATTCATTT	GAGGAAGGAA	GTGAGTTATC	AAAAGGAACC	ACCAGGAAGG
12401	TGAGGTAGAG	CCCTGTATAT	TAGTCACACT	GATCTCTTTA	CACAGGAGAT
12451	TATAGATTTT	TTAGGGATAA	ATATTTTATT	TTGTCATATCA	TATTTTCTG
12501	TTACCCATCA	TATTGCTTTG	TACATAGTAG	GAACAAAATA	TGGATTGGAT
12551	TGAACAAATT	CTCTGAGACT	TGGGAATAAA	TGAATTCCTT	GAGTTTATAC
12601	TGCATTTGGG	CTTACTCATG	CTTACTATTT	CCTTTCCTCT	TTTCTTGGAG
12651	AGAGCAAAC	CTTGAGTGAT	GAATATCTAT	CTTCTGGAT	ATTTCATATA
12701	TTAATGTAGT	CTCACTTCTT	GTTTTCTTTA	AGGAAAGAAA	GGCAGCCAGA
12751	TTAAGTAAAG	AAGCATTAAG	ACAACTGCAT	AGTGAGACTC	AGCGCCTTAT
12801	TCGAGGTAAT	GCAACCCAGT	AACTTTGAG	GCAAAATCAC	AACATTTCTT
12851	TGTAAGCTCA	ACTTGGATGT	TGGGGACTTT	TATTTTTTTA	ACACTTCTAA
12901	TGTGAACCTA	GGTTATAATA	TTAAGTTTAG	AATTGATCTT	GGTGAAAGGC
12951	CATTGTTCTA	AAGCCCTTGG	AACATTAGTA	TAACTGAAG	AAATTTTCAG
13001	AACTGTAGTG	CAGGTAAGGA	GGAAATTTTT	TAATGGTTGT	CTATGGACTG
13051	ATTGTGTCAG	GATTCTTTGG	AGAGGTAGTA	ATCCCTCCCT	ATTTGCAGTT
13101	TTGGTTACCCT	GTGTCAGCCA	TGGTCCATGG	AACTTAAAAA	TATCATCCCT
13151	TTGTCCAGAG	TATCACGCTG	TATACATTAC	CTGCCTGTTA	GTCCGTTAGT
13201	AGCCCTCTCA	GTTATCAGAT	CAAAAAAACA	CTGCATGGTT	TAGTACCATC
13251	TGCAGTTTCA	GGCATCCACT	GCAGGTCTTG	GAATGTGTCT	GTCTGGATAA
13301	GCGGGGACTA	CTGTATATAA	ATGTTTAGGT	CCCACAGAGA	TTCTGATTCA
13351	GTAGATTTCGA	AATGGGATCC	AGAATCTGT	ATTTCTAAAA	AACCTCCTGG

FIGURE 7E

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13401 ATCATTTTGA TTTACATCT AGGTTTAAAA GCCACTGGTC TTCAGGGAGC
13451 TTTTGTGTAC TTAGCTCCTC TGCCTTTGTT AAAGGGGAGT TTTCTATTTC
13501 TAGTGATGGC TTTGGTTATT ATGTTTAGTT AACTGAATAT GAAGTGACAT
13551 TTCAGAATAT ACAGTATATA TATTTGCTTG TTTTATTCCA TTTTATAGAG
13601 TCTGCACTGA ACCTTCCATA TCATATGCCT GAGAATAAAA CCATTCATGA
13651 TTTCTTCAAA CGTAAACCCC GGCCCACTTG CCACGGAAAT GCCATGGCAC
13701 TATTGAAGTA AGAACCTCT TCCCTTATTA TAATTTTCAT GAACATTTAG
13751 TTTTGTAGCA AACATCTGGC ATAAAAAGTT CAGATTTCTC ACTCCCTTAA
13801 AACTGATTTA ACTGATATAT ACTAAGGGAT GAGAATGTTT CACATTTAGG
13851 ATAATTTTCA ACTCCAGCTC AATTTCTCTT CTCTAGGTCA TCTAAATATC
13901 AGTCAAGCCA TCACAAAGAA ATCATAGACA CTGCAAATAC TACTGAAATG
13951 AACAGTGATC ACCATAGTAA AGGTTCTGAG CAGACAACAG GTGCAGAAAA
14001 TGAAGTGGA ACTAATGCAC TCCCTGTAGT TTCAAAGGAA ACCCAGATCA
14051 TTAAGTGATC AGATGAGTCT TGCAGGAAGG ATTTGGTAAA AAATGAAGAG
14101 CTAGAAATTC AGGAGAAACA GAAGCAGAGT GACATTAGAC CTTACCTGG
14151 GGACAGCTCA GTGTTGCAAC AGGAATCCAA CTTCTCGGG AACAAATCACA
14201 GTGAGGAATG TCAGGTTGGA GGGCTTGTAG CATTGAACC TCATGCCCTG
14251 GAGGTTGAAG GCCCCAAAA TCCAGAAGAA ACAGATGAGA AAGTGGAAAG
14301 GCCTGAGCAG CAAAATAAAT CATCAGCAGT TGGGCCACCT GAAAAAGTGA
14351 GACGGTTTAC TCTGGATAGA CTTAAGCAAC TGGGAGTAGA TGTTTCCATT
14401 AAACCACGGC TAGGTGCTGA TGAAGATTCC TTTGTGATAC TTGAACCTGA
14451 AACCAACAGA GGTAATCCTT TACATTGTGG GGAGCCTCCC TGGAGTGATT
14501 ATCCTGGTAG CTTTTGATTA TTGACTACTG TCGAGGACAG AGAACACAGG
14551 AGGAACCAAT AACCACCTTG ATCTTATCCT GCAGTTGTTT CAGATATGGG
14601 CAGAGTCTTT TTTAGAGAAA TTTGGCAGGG TATCAGAATG ATCTAAGCCA
14651 TGTTTAAAAA GGAAGTCTGT TGGCTGGGTG CGGTGGCTTA CGCCTGTAAT
14701 CCCAGCACTT TGGGAGGCCA AGGCGGGCAG ATCACGAGGT CAGGAGTTTG
14751 AGCTAGCCTT GGCCAATACA GTGAAACCCC GTCTGTACTA AAAATACAAA
14801 AATTAGCCGG GCATGGTGGC ACGCATCTGT AGTCCTAGCT ACTCGGGAGG
14851 CTGGGGCAGG AGAATTACTT GAACCCAGAA GGCAGAGGTT GCAGTGAGCC
14901 GAGACTGCAC CATTGCACTC CAGCCTGGGT GAGAGAGCGA GACTCTGTCT
14951 CAAAAAAAAA AAAAAAAAAA AAAGGTTGTT GATAGTTAAT ATAAAAAGA
15001 GGTACATTGC TACTGTGTTA TGGTATTTAG GAATTTATTA TTTCTGCCCT
15051 TCCAATCTGA AATTAAGTTT TTTCTGTAAT CCTGAGTCAA ATCTTAAGAC
15101 ATTGATGAAA ACATCATTTA GTTTTTTACT GCTAAAGAGA AACATTTTGG
15151 TTCACTTAAA TTATCTGTGA AACCGAATTT CTTTTGTTTT CACTCATTTCA
15201 ACAAATATTA AAGTATCTAC TATGAGTAAG TTGCTGTGGG GCATACCAAG
15251 ATAAATCTGA CATTTAAGGT ATACTTAAGA TGCTTTTACT CTAATGGGCG
15301 AGATAAGAAG TATGCAAATA AGAAGTACAA AGGAGAAAAT GGTAAATGAT
15351 GTCTTTGATA ATGAATATGT CATTGATAAT TGGAAAATAA ATAACATGAA
15401 GAAAAAGGAA AAGTATTTTC TTAAAGAACA TTTAGAATAA AGTACTGTGG
15451 GAATTCAGAG AAGCATAAAT TTCTTCCAAT GAATAGTTAA AAGACAGCCT
15501 GAAGAATAGG TGGATTAATT ACTTGTTTAC TGCCTTCCCT TTATACTGTG
15551 AGTTGGTATC TTCTGCCTTG TTCCCTACTC TATCCCTAGT GCTTCCTCAG
15601 TGGACGACAC ATTGTAGGCA CTGTATTTA TCAAATGAAT GAATGATCCC
15651 TCAACACTGA ACTCAAGTAT TACCACATTG AATAAATTTT CTGACTCTTA
15701 GATAGAGCTG GATGCTCCCC ACTCTGCCTT GAGGCAGTAT GGAATGGTGG
15751 TTAAGAGCTT AGACTTTGTA GCAAGACCAG GATTTGAATC TGAAGTAGCA
15801 TAGTAATTGT TTAACATTGT ATACGCCATT TGACCTCTTC AAGCATCTTT
15851 TGTTTAAAAA AGAGAAGAAA GCCAGACACA GTGGTGCACA CCTGTAGTTC
15901 CAGCTACTCG GGAGGCTGAG GCACAAGAGG GTCACCTGAA CCCAGGAGTT
15951 TAAGGCCATC CTGGGCAGCA TATGAAATCC TGTCTCAAAA AAAAAAAAAA
16001 AGAAAAAGAA AAAAGCACTA TATGACTTGT GGGCTATGGT GAAGATTTGT

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FIGURE 7F



16051	TGAAATAATG	CATGCAATG	GATAGTATAA	ACAAGCACTC	AAAAAGTTGT
16101	TGCTGCTTCT	ACTATTATTA	GTGAAATGGT	TCACATCAAG	ACTTTTTTTTT
16151	TTTGAGACGG	GCTTTCAC TT	GCTCTTGCCA	CCTAGGCTGG	AGTGCAATGC
16201	TGCGATCTCG	GCTCACTGCA	ACCTCCGCC T	CCTGGGTTCA	AGCAATTCTT
16251	CTGCCTCAGG	CTCTCAAGTA	GCTGGGATTA	CAGGTACCCG	CCACCACACC
16301	CAGCTAATTT	TTGTATTTTT	AGTAGAGACA	GGGTTTCACC	ATGTTGGCCA
16351	GGCTGGTCTC	AAACTCCTGA	CCTTAGGTGA	TCTGCCTGCC	TCAGCCTCCC
16401	AAAGTGCTGG	GATTACAGGT	GTGAGCCACT	ACACTCAGCC	AAGACTCTTT
16451	CATTAAACCA	AGCATAGTCA	GTGGCTTATG	CCTGTAATTC	TAGCACTTTA
16501	GGAGGCTGAG	GTGGGAGGAT	TGCTTGAGCC	CAGGAGGTCA	AAGCTGCAGT
16551	GAGTTGTGAG	CTGAAATTGC	ACTCCTGCAC	TCCAGTCTGG	GAGACAGAAC
16601	GAGACCCTGT	CTCATAAAAA	AAAAAAAAAAC	ACAAAAAAAT	TATCTTTCAT
16651	TAAACATCTT	ATTGTTGGCA	GGTGCTATGT	CAGTGACTAT	ATCTGGTGTG
16701	TAAAATATGC	TCAGTGAGTC	TGTTAATTGA	ATGGGTTGAC	TTTGGAGATG
16751	GAGAGGATAG	AAAGAGCACC	TTTCTCATTT	AAAAACAAAA	GAAAAACAAA
16801	ACACACACAA	AAAAGATTCT	GTGTCATTAA	ACAGCTTATT	TTGGCAAGT
16851	GCTATGTCAG	CCACTGTATC	TGGTGTGTAA	AATATGCTTA	GTGAGTCTGA
16901	TAATTGAATG	GGTTGACTTT	GGAGATGGAG	AGAAGGACAG	AAAGAACTCT
16951	GCATGGTGGT	GCGTATTGGG	AAGATGTGAA	AGTCACTTTG	ACCAGGGCTG
17001	GAGGTT CAGG	TGGCAGAGTT	GTATAACAGA	ACTAGCATAG	CTCCATTAGC
17051	AAAGAAGCAT	GAGAATAAGC	TGTTGTCCGG	AACACTGAGG	GAAAGTTTTT
17101	GTTATATGGG	ACTAAAAGTT	ACCTAAACAG	TCCTAGACTG	ATAGGAAAGG
17151	GAGAAACATT	TTTTTGATAC	CAACTATATT	AGACACTGGT	ACATTCTTTG
17201	TTAGTTGTCT	TTCTTAATTC	TCACAGTGCC	AGGTATTATT	TTGCAAAATG
17251	AAGAGACTGA	GGCTCAGAGA	GGTTAGGTAA	TTTTTCCAGC	ATTATACTTG
17301	GCTTATAAAG	GGACCTACAC	AGTGGCTGGC	ATATAATGAG	CAC TTATTTT
17351	TTAACTTGGA	ACATGTTTTC	CTTTAGAAAT	AATTGACACG	AAATTTGGGT
17401	TTCCAGACCA	GCCATAATAT	ACATGAAGTT	AGAATCAACA	TTCATTCATT
17451	CATT CATGCA	ATAAACTTTT	ATTTAGCACT	GTGTTGGGTG	CTGTGTATAC
17501	ACGTAAACAA	CTCCCTGTCT	TCAAAGAAAT	TGAAGTGTA	TAGGAGTGAT
17551	AGACAGGCAA	ACAGACCATT	ACAATACTGG	ATGGTAAGTG	CTGCGATCAA
17601	GGTATATAAT	TGAGGGTGCA	TTGGGAACCT	AGAGGAAGGG	TACCTTACTT
17651	GGAGCCTAGA	AGTCAGGGAA	GTTTCTGAAA	TGAGCTCAGT	AGAGATACCA
17701	AGGCAGAGAG	GTGAGGGAGG	GCTTTTTTGG	TGGAGGGGTT	GGACCTGCAG
17751	ATGTCAGAGA	CAATGGAAG	CACAGGGTGA	TCTCCCTGGC	TGAAGTGAAG
17801	ATAGCAAGGA	CATTGGTGTAT	CAGAGCCCAG	ATCATT CAGG	GTTTTTATGC
17851	CATGCTAGGA	GCTTGGACTT	TAGCTCTTTG	TAAGTAGAGG	ACCATTGAAA
17901	GGTTTT CAGC	AAAGGAAATG	TTCAATCAGA	TACTCACTTT	AGGAAGTTAA
17951	ATCTGGTAGC	TGTTGTGGTG	GTAGCATTTG	AAGGGGTTAA	GAGTAAAAAC
18001	AGTGGGAACA	GCTCAGTTTC	TTTACCTCAT	ATAGAATAAG	GTTTCCATGA
18051	GAAATGCAT	GTAAATTTAA	ATTTTGTGAT	GT CAGAAATA	CATTATTTCT
18101	GTTGCTTGCA	ATAGCATATG	GAATAATCCC	TGCCTCTAAT	TCCTCTACTT
18151	TCTGGACAAG	AGCAATGTGA	ATGAGAACAG	TTCTTATGCT	GCTGATAGAG
18201	ATAAGCTAGG	AAAGAGACTT	TTCACTTAAG	AGAGGAGATG	AGAGGTGATG
18251	GAGGATGAGA	GGTGATGGAC	TAATAGAGAT	GAATGGAGGT	AGAGGAAC TT
18301	GAACAGGGGT	TTTAGGATGA	AGACAGTGAT	GGTTGCATCA	TGTAATAAAG
18351	GCCAAAGAAA	GTGGTTGCTC	CAATGGGTTG	GGGGAGGAAG	AGCTTTGAGG
18401	ATCCTAGCTT	TCTCCAGTTA	TGAATGAAGA	TACCTCTTGC	CTGACTACTA
18451	TTTTAAGTCC	CAGGTAATCT	TCCCACCCAA	CCATTTCTCT	TACCCTAGTG
18501	GCACCCATAA	TAACCTGCCT	ATTTCTGTTC	CCTTTTCCCT	GCTACCACCT
18551	GTTGCTTTCA	GCTTTACTGA	ACCACTGCAA	AATAGGAGGC	AGACTTACAG
18601	CTTGCTCTCT	TACTCTTTTG	TTTGCAATGT	AAACATACCA	TCCTTTTAGAG
18651	TTGGGTTTTT	CTGCTCTAATA	ATGTTGGGGT	TTCAGGATAA	AAAGATTTCCT
18701	TTCATTTTTT	TCTTTTTTCTA	GTAAGACCGT	CTAGAGGAAA	AAAACACATC

**FIGURE 7G**

18751	TAGATGCTAG	TCACAAAAAC	ACCGAAGTAT	GATTTGAGTG	CATTTTAGAA
18801	AATTAGTCAA	GTTTCATGCC	TATAGTCCCA	GCACTTTGGG	AGACTAAGGT
18851	GGGAAGTTCT	CTTTGAGGCC	AGGTGTTTGA	GACCAGCTTG	GGCAACATAG
18901	CGAGTTCTCT	TCTTTACAAA	AAATAACAAA	GCCAGATGTG	GTGACATGCA
18951	CCTGTAGTCC	TAGCTACTTG	GGAGGGTGAG	GTAGGAGGAA	TGCTTAAACC
19001	CAGGAGGTCA	AGGTTGCAGT	GAGCTGTGAT	CGCACCCTG	CACTCCAGCC
19051	TGAGCAACAG	AGCAAGACCC	TGTCTCTAAA	AAGACAAATG	AAAAGTGGCT
19101	GGGCACAATG	GCTCACACCT	GTAACCCTAG	CACTTTGGGA	GGCTGAGGAG
19151	GGTGGATCAT	TTGAGTCCAG	GAGTTCAAGA	CCAGCCTGGA	CAACATGGCA
19201	AAACCGGTCT	CTACAAAAAA	TACAAAAATC	GGCCAGTCGC	AGTGGCTCAC
19251	TCCTGTAATC	TCAGCACTTT	GGGAGGCCGA	GGTGGGTGGA	TCATCTGAGA
19301	TCAGGAGTTC	AAGACCAGCC	TGGCCAACAT	GGTAAAACCC	CATCTCTACT
19351	AAAAATAAAA	ATAAAAAAAT	TAGCTGGGTG	TGGTGACGCA	TGCCTGTAAT
19401	CCCAGCTTCT	AGGGAGGCTG	AGGCAGGAGA	ATTGCTTGAA	CCCAGGAGGT
19451	GGAGGTTACA	GTGAGCCGAG	ATCATGCCAC	TGCACTTTGG	CCTGGGCAAC
19501	AGAGTGAGAC	TCCGTCTCAA	AAAAAAAAAA	AAAAAATTAG	CTGGATATGG
19551	TGGTACATGC	CTATAGTCCT	GGCTATCTCA	GGAGGCTGAG	GTGAGAGGAT
19601	CACCTCTAAG	CTTGGGGAGA	TTGAGGCTAC	AGTGAGAGCC	AAGATTGCAC
19651	CACCTGCATC	CAGCCTGGGC	GACAAAGCGA	GACTCCATTT	AAAAATAAAC
19701	CATTTTATCA	TGGACGAGAA	GGCCGCCTGA	AAATATCCAG	TGTGCATCAA
19751	CTCCAAAGGA	ACTTTCTCCT	TAAAACTGCC	AGCTCTCATC	ACAGATTCCA
19801	TTATGATATG	AAGTGTTAAG	CAGAGTGAGT	AGGGATTGGT	TCCAGGTAAC
19851	AGCTAGCTGA	GGGAGAAGGA	AATTCTAAGA	TATTGCAGTG	GGGAAGAGGG
19901	GTAAGTTTAT	ATCACTATTG	GATTGCTGAA	CTTACTGTTC	CCAGTATATA
19951	TATATTTCCG	TTTGTATACA	AGTTGAGCAT	GTGGTACTGG	GGCTGCAGTA
20001	TTTTCTTTCT	CATTGTACCA	ATTGTACTAG	TGTAACAGTT	TTACCAAAAA
20051	AACTTTTTAC	AGTCCTGCTG	CTTAGTTATA	TCCTGACTG	GATTGTCATT
20101	TTATTTTCCC	TTCTTGAAAA	AAATTGACTT	TGCCTATATT	TAGTAAGATT
20151	GCCAATAATG	AAACATTCAA	AATAGGGAAT	TTGATCCCAG	CACTTTGGGA
20201	GGCCAAGGTG	GGCTGATCAT	TTGAGGTCAG	GAGTTCGAGA	CCAGCCTGGC
20251	TAACATGGTG	AAACCCTGTC	TCTACTAAAA	ATACAAAAAA	ATTAGCTGGG
20301	CATGGTGGTG	CTCACCTGTA	ACCTCAGCTA	CTCAGGAGAC	TGAGGCAGGA
20351	GAATCGCTTG	AACCCTGGAG	ATGGAGGTTG	CAGTGAGCTG	AGATCACATC
20401	ACTGCACTCC	AGCCTGGGGA	ATAGAGTGAG	ACTGCATCTC	AAAACAAAAA
20451	CAAAAAACAG	CAATAACAAA	TAGGGAATTT	TAAAAGGAGA	CCAAAACCCA
20501	TGAAAAATTA	AGCCCTTGAA	TAGATGAGAT	TATAATCTTT	TTTCTTACCA
20551	GTTTAATACT	TTTAAAGAAT	TTTTAAAGAA	TGTTCAAAAG	AATTGCACAT
20601	ATTTAGAAAT	TTCAGGTATA	AATTTCTGTC	TGATTTTTTTA	AAGTCTGATT
20651	TTTGAAACGT	TGAGGAAGAA	CAGTTGTGGC	AGTCAATTAG	TTTGGGTTAA
20701	GTTGTATGAA	TTTGACTCAG	GAGTTAGTAG	CAAGGGGTTT	TTGGTTTCTC
20751	TGTGTATGTG	TGGTTTCCCT	CATAATTGTT	GAGCTAAAAA	AACTTAGCT
20801	TATAAGTCTT	AAAGGAAAGA	GTTTTGAGCA	TGGCAAACCTG	ACACACTGGT
20851	TGGCGTTTGG	GTTTAGAACT	GGAAAGCCTG	AAGCAGCGTT	TCTGGAAGCA
20901	TGCTAATCCA	GCAGCCAAAC	CCAGGGCTGG	TCAGACAGTG	AATGTGAACG
20951	TCATAGTGAA	AGACATGGGC	ACTGATGGAA	AGGAAGAGCT	AAAAGCAGAT
21001	GTGGTACCTG	TGACTTTAGC	ACCTAAGAAG	TTGGATGGAG	CAAGCCACAC
21051	AAAACCAGGT	ATTTGAGCCC	ACAGGTTTTG	TTTTTTTGCTT	TTTGCTTTGT
21101	ATTCTAACAG	ATCTTCAAGG	CTATTGAAAA	CCTTATAATG	AAAAGTTATA
21151	GAATCTTTTT	CCTTGGAGGC	TTTGCAGAGC	AGTATCTCTG	GCATGATTCA
21201	CGTGTAGCAC	ACCTAGAGGT	GTGGGGTGGA	CAAGCTGGCT	TTATTTTTTTT
21251	TTTAGATATC	ATTTGTCTTA	TTATAAAAAA	CCCCATTATA	GACAAATATA
21301	TAGAATAAAT	GAAAAACTTA	ATCTTCTATC	AGAGACAGGT	TCTATAACCA
21351	TATCGTGAT	CCTTTTAAAC	TCTCTTCTTT	GCACATATGT	ATATGTAATT
21401	TAAACAAAAA	CAGGCTGGGT	GCAGTGGCAC	ATGCCTGTAA	TCCTAGCACT

FIGURE 7H

21451	TTGGAAGGAC	AAGGCAGGAG	GATCTGTTGA	GCTCAGGAGT	TGGAGACCAG
21501	CCTGGGCAAC	ATAGTGAGCC	CTCATCTCTA	CCAAAAAAAA	AAAATTATCC
21551	AGGCATGGTG	GCCTGCACCT	GTGGCCCCAG	ATACTTGGGA	GGCTGAGACA
21601	GGAGGATCAT	TTGAGCCAGG	AGGTTGAGGT	TGTAATGAGT	CATGATTGTG
21651	GCACTGCACT	CCAGCCTAGG	CGAGAGAGTG	AGACCCTGTC	TCAAAACAAA
21701	AAACCCAAAA	CAAAACAACC	CACCTATAAT	GTGATCATAA	CATGCATTCT
21751	GCTTTGTGTT	TTAGAAATGT	ATTAAGGACA	GCTCTCACCC	CTCCCTTGAA
21801	ATCACAAGTA	ATATATCACA	TGGA AACAG	TTTAAACAC	TGAAAAAGG
21851	TATCAAATGA	AAAAGTAGTC	TTCCCAAAGA	TAAGTATTAA	CAATTTCTTG
21901	TATGTCTTTA	TAGGAGTATT	TTTATCCATA	TACCGTATTT	TGTGAATGTG
21951	TGTGACATTG	AACATTTACT	CCCTGTCAGG	CATTGCTCTA	GGTGCTTTAT
22001	ATGTTTTATC	TCATTTAATC	CTTACAACCC	TATGAGGTAA	ATAACATTAG
22051	TATCCTTATT	TTGTATATGA	AGAACTGAT	ATGCAGAGCA	CTTAAGACAC
22101	TTGCTCAAGT	TTACACAGCT	AATAAATGGT	AGGACCAGTA	GTCTAATCCA
22151	GACCACCTAA	CTCCAGAGCT	CAGATCTACT	TTATATTGCT	TTTGAGGCTT
22201	TTTTTTTTTT	TTTTTTTTTT	CCTCTAAGAC	AGAGTCCTGC	ACTGTCACCC
22251	TGGCTGGAGT	GCAATGGCAC	GATCTTAGCT	CACTGCAACC	TCTACCTCCT
22301	GGGTTCAAGT	GATTCTCCTG	CCTCAGCCTC	CCGAATAGCT	GGGATTACAG
22351	GTGCCTGCCA	CCATGCCTGG	CTAATTTTTG	TATTTTGTAGT	AGAGATGAAG
22401	TTTCGCTATG	TTGGCCAGGC	TGGTCTCGAA	CTCCTGACCT	CGTGATCTGC
22451	CCACCTTGGC	CCCGCAAAGT	GCTGGGATTA	CAGGCGTGAG	TCACTGCGCC
22501	CGGCCTTGAG	GCTTTTTTTA	AAATGGCTGC	ATAATATTCC	ATTGAATGAA
22551	TACAACATGA	CTCATTAAAC	CATACTCGTA	TTGACAGATG	TCTTGTTTGT
22601	TCCAGTTGTT	GCTATTGCAT	ACAGTGTTAT	ATTATAGTGC	CAGATATATG
22651	GTGGTATATT	AGATGAAAAT	TCCTTACAGT	GGAATTGTCA	TGATATATAT
22701	CACATTTTGA	TATATATCAT	CCAGTTGTCT	TTCAGAAATG	TTGTACCAC
22751	CTGAATCACA	TTGTATGAGT	TCTGTTTCC	TCTCAATAGG	TATTATCAAA
22801	CCTTCTAATT	TTTGCCAGGC	TAACATGTCG	AAAATGTATC	TCGTTATTTT
22851	GATTTGTAGC	TCTTCAATTA	GAAGTGAGAT	TAAGCATTAC	TTTTAATTTA
22901	TTAACAATAT	ATGTTTATTT	TTCGTGAAC	GCCAGTTCAT	ATCATTAGCT
22951	CATTTTACTC	GAGTCGTTTC	TCTTTTCTT	TAATATAGGT	AAATTTATCA
23001	ATGTTTTTCT	TCATGGCTTT	TGAGCCACAG	ACTTGAAGCT	CTACTCCCTA
23051	CCCACCTTTT	CTCTCTTTTG	AACAATTATT	TTATAATCCC	TGAGTAGTAT
23101	ACTATCTAGG	GTGCAGAAGT	TCTCTTTGAT	ACTTCAATTC	ATAATAATAC
23151	TCTTGTTGTT	AAATAACAAA	AAAGCCCAGA	ATACTAGAGT	CTCAGATTTT
23201	CCTTTTGGGA	TGTGACTAGA	ATATTTCTGG	AGTTGCCTAA	AATGCATACC
23251	TAATTATTGT	ATTATGTCTA	AAGCATTCT	ACATATTTCT	GTTCAGGTGA
23301	AAAGCTTCAG	GTGTTAAAAG	CTAAACTGCA	AGAAGCAATG	AAACTCCGAA
23351	GGTTTGAGGA	GCGCCAGAAG	CGCCAAGCAC	TGTTTAAAT	AGATAATGAA
23401	GATGGGTTTG	AGGAAGAGGA	GGAGGAAGAG	GAAGAAATGA	CAGATGAGTC
23451	TGAGGAAGAT	GGAGAAGAGA	AGGTAGAGAA	AGAAGAGAAA	GAGGAAGAAC
23501	TAGAGGAAGA	GGAGGAGAAA	GAAGAGGAGG	AGGAAGAAGA	AGGAAATCAG
23551	GAGGTTTCTG	GCAATTACGT	TGTTTTGTTA	CCTTGTCATG	GTGAATATGA
23601	GAGAAAAAGT	CAGACTTGAA	AAAGAGTATA	ATAAGCATGT	TCAATTGTAT
23651	AAGAGGTTTT	AGGGGCATGA	TGAGGGTAAC	TACCTCATAT	ATCCCTAAAT
23701	CTTAGGAACT	TCAGTTCTGT	CAGTACCACT	GAATATCTGT	AGATCATCAT
23751	TATATATCTG	AATACAGATA	TTCAGTGGTA	CTGACAGAAT	ACCATTCGCT
23801	GGGCTTCAC	CTGTTTATAT	ATTTTAATAT	AATAATGCTA	ATATTAAAAA
23851	TGGCTTTGTA	TTCGTAGGAA	ATTTTATCTT	TGTTGTTTAT	TTAGGTTTCT
23901	CTAGCAGATT	AAAAAGCAGT	CCTAACCTTG	GCTAGATTGA	GGCCTGGAGT
23951	AAATTCCTTAG	GGAGGTAGAG	GCCTTTCTGA	GTTATTTTCG	TTCTTTGTAG
24001	AAGAAGGCAT	TTGTAGAAGG	GCCTCTTGCC	CTTGTTCCGT	AGTACTGTTT
24051	TCTGCCTAGG	GAAAACAGGT	GATGATACGA	TTGTTAAGTA	TTAAAAAAT
24101	TTCTTTTTTG	GGCCGGGCAG	GGTGGCTCAT	GCCTGTAATC	CTAGCACTTT

FIGURE 71

24151	GGAAGGCTGA	GGTAGGTGGA	TCACCTGAGG	TCAGGAGTTT	GAGAACAGCC
24201	TAGCCAACAT	CGTGAAAATC	CATCTCTACT	AAAAATACAA	AAATTAGCTG
24251	TGTGTGGTGG	CACACACCTG	TAATCCCAGC	TACTCAGGCA	GGAGAATTGC
24301	TTGAACTTGG	GCAGTGAAGG	TTGCAGTGAG	CCAAGATTGT	GCCACTATAC
24351	TCTAGCCTGA	GCGACAGAGC	AAGACTGCAT	CTCAAAAAAA	GAAAAAATAA
24401	AAAAAACTTT	CCTTTTTTGT	TGCTGGGATC	ACTTTATTTT	ATTTTATTTT
24451	ATTTATTTAT	TTAAATTTTT	TTGAGATGAG	GGTCTCACTA	TGTTGACCAG
24501	ACTGGTCTCG	AACTCCTGGC	CTCAAGTGAT	CCTCCCATCG	TTGTGGCCTC
24551	CCAAAGTGCT	GGGATTACAG	GCATGAGCCA	CCATGCCCAG	CAACTTGAGT
24601	TATTATTTAA	TTTTGGGTAA	AGGAGAAAGA	AAGCAATGGC	TGAGCTATAC
24651	AGCCTGTCTC	AGTCTGTGCT	TGGTTTGAGA	TCAGTAGTCA	GCCTGCAATC
24701	TTAGACTGAT	TAATTAACCT	CTTACTGCCT	CAATAAAATG	ATAATCCAGT
24751	CGTCCTTTAT	AATCTTAGCA	ATTTCTGGGAG	GGTAGAAGGT	AAAAAATAAA
24801	AATAGAAAAA	AGTTCTAGAA	GTGTCAGGGA	AAATTATGTT	GATAATGGTC
24851	ATATGGAAC	TCCTTCAAGT	TTACCTTTTT	GAATTTAAGA	TGTGATCTGT
24901	AACCAATCAG	CCATATTTCA	GGCTACCAGT	GTATTTGCTT	TTAAATGTTT
24951	TGACTTGTAT	TTTTTGTTTT	GTGGTGGCCT	GATTGGTAAA	GACTGCAGAA
25001	TTCTTCTTTA	GTAAGTGAAGA	AATAGAAAACA	AAAGATGAAA	AAGAAATGGA
25051	TAAAGAAAAT	AATGATGGCA	GTAAGTGAAT	TGGCAAGGCA	GTTGGCTTCC
25101	TCTCTGTTCC	CAAGTCTCTC	TCATCAGATT	CTACTTTACT	TCTGTTTAA
25151	GACAGCTCTT	CCAAGATGGG	GTAAGTGATT	CTCTCTAAGA	AAACTTAAAA
25201	TTGCCTTGGA	TTTGGCCCTC	CTGTAAAAAC	TAGGAACAGA	TACTGAACCA
25251	ATTTACTTTC	TTATTTTGCA	GTTACTTTCC	TACTGAAGAA	AAATCAGAAA
25301	CAGATGAAAA	CTCAGGCAAG	CAGCCTAGCA	AACTGGGTAA	GTAAGTATTC
25351	TTGTGCAGAA	CTTAACATTT	CTTTTGTCCT	TCAGCTTTGA	TATTTAAGGA
25401	CTGCAGTACG	GTAAGTTTCC	ATGTTTTTAA	ATCTGGTCAC	TTCCAGTTT
25451	CATATGTAGC	TATGAAAAGG	GTTTATGAAT	TAGAATATTT	TTCTTGGTCT
25501	ATTTTGTGCA	GTTTATTTAT	AGTAGACCAT	GGTACATAAT	GTCCTTAGTG
25551	AATGTGTGTT	GATTGAGTGA	GCAATGAAAT	GTTTCTGTAT	GTAGATCAAA
25601	GGAAGACGTA	TAATTGATTG	GACAATGAAG	AGTGTGATCA	TAGGCATTAG
25651	GAAGGATAAG	AGAAAGAAGA	GAACTTTCGG	CCAGGCGCAG	TGACTCACGC
25701	CTGTAATCCC	AGCACTTTGG	GAGGCTGAGG	CAGGCGGATC	ATGAGGTCAG
25751	GAGATCGAGA	CCAGCCTGGC	TAACATGGTG	AAACCCTGTC	TCTACTAAAA
25801	ATATAAAAAA	TTAGCCAGGT	GTGGTGGCAC	GCGCCTGTAG	TCCCAGCTAC
25851	TTGGGAGGGT	GAGGCAGGAG	AATCGCTTGA	ACCTGGGAGG	CGGAGGTTGC
25901	AGTGAGCCGA	ATTCACGCCA	CTACACTCCA	GCTGGGGTGA	CAGAGCGAGA
25951	CTGTCTCAAA	AAAAAAAAAA	AAAAAAAAAA	AAGAACCTTC	AAGTGTCACT
26001	TAGCTCAGAG	TAATAAGCCC	TGATTATATA	ATGCTATCTT	AGTACTGTAA
26051	TTTACCTTTA	ACTTAATGTT	TTGGAACATA	TAACCTGAGG	GGTTTGCTTA
26101	TGAATTTTAT	CTGACAGTTT	CATCCTCAAC	TCTTTTCTCT	AAACAAATCC
26151	ACCTTATTTT	TGTAATCATG	TGCTTAAAAG	GTGTTTCTCT	TTCTTTAGAT
26201	GAGGATGATT	CATGTTTATT	GCTAACAAAG	GAGAGCAGCC	ACAATAGCAG
26251	CTTTGAGCTG	ATTGGCTCCA	CGATTCCATC	CTATCAGCCT	TGCAACAGAC
26301	AAACAGGCCG	TGGGACCAGT	TTTTTCCCTA	CAGCAGGAGG	ATTCAGATCT
26351	CCTTCCCTCG	GGCTATTTCT	AGCCAGTTTG	GTCAGCTCAG	CTTCTAAGGT
26401	AAGATGGTAA	TGGTTTTTCT	AATCTCCTCC	TCTCTTTGCT	TCCCACATTG
26451	CTAAATAAAG	TTTGTCCCAG	CCAACCAACT	CCCACCACGT	TGGTACTGAG
26501	CTTATGTGTG	TTCAGTTTAA	AAAATCCACC	CCCTTTGTGT	ATTAAAAACA
26551	AGCTTCATCC	AGTATTCTTA	CTTTCTTGGA	GGTATTTTTC	TTTATGCTTC
26601	TCATGGCTGT	GTATTGTCCC	CCTCAACTAC	AATTTCTCTG	GAGTAGCTTA
26651	AATATTGCAA	ATAGCAACTT	TTGTGGTTGT	CATGACAATG	ACTGACATTT
26701	GTAAAATGTT	TTGTTATTGT	TTGTTTTTGT	TTGTGTGCCA	GAGTTCAGGG
26751	AACTGTCTG	AGCCTTCACT	TCCCATAGAG	GATTCCCAGG	ATCTGTATAA
26801	CGCCTCCCA	GAGCCTAAGA	CACCTTTTCT	AGGAGCAGGA	GACTTCCAGT
26851	TCTGTTTAGA	AGATGACACT	CAGAGCCAAC	TGTTGGATGC	AGATGGGTAG

FIGURE 7J

26901	GTAGTTTTGT	GTTTCTGTGG	GCGGGAATGG	TGCTGGGTAC	TGCTTAATTT
26951	TGTTTAAAAA	TAAGTGAGCT	TCTGTCACTC	CATCTGTGCT	TTCTCTTCTG
27001	AGAAAGAGAA	GGTGTACAGA	CCATTAGTAT	TACATTCTAT	AAGTTTGAAC
27051	AAAGTCTGTC	CAGAAAATAA	ACATAAATAG	CTCTTGCTAA	CATTCTGGTC
27101	CTTCAATTTT	TGTCTTATTT	GAAATGCATA	GATCTTGTAT	TGTAAGGTCA
27151	TCAAATTTCC	CTGTATCCAT	CCTGCTATGT	TATTATTGTT	GGGTAAGGTT
27201	GAGAATTCAC	AGACTGGTGG	CACATTACAG	GACATAATGC	CAAGCCCTGC
27251	TCTAGCATCA	TCTGAAGCTA	AAAGTTATCC	TTTACACTTT	ACCTTCTGAG
27301	TAACATTTTA	TTCTTTCACA	AAACTTTTCC	CTCCCTCTTT	AGATTAACAC
27351	AAGCCTAAAG	TTTGAATCTT	TTGCTTTCTG	GTTTGAGATT	CAGCTTTTAA
27401	CTGGTGTAGG	AAATGAATTC	AGAGGTTTTT	CACCCCTAC	TTTGCCATTT
27451	CTCTGAGGAA	TTTTTTTTTT	TTTTTTTTTT	TGAGGCAGAG	TCTTGCTCTG
27501	TCGCCCAGGC	TGGAGTGCAG	TGGCGCGATC	TCGGCTCACT	GCAAGCTCCA
27551	CCTCCTGGGT	TCACGCCCTT	CTCCTGCCTC	AGCCTCCCGA	ATAGCTGGGA
27601	CTACAGGCGC	CCACCACCAC	GCCCGGCTAA	TTTTTTGTAT	TTTTAGTAGA
27651	GACGGGGTTT	CACCATGTTA	GCCAGGATGG	TCTTGATCTC	CTGACCTCGT
27701	GATCCGCCCG	CCTCGGCCCT	CCGAAGTGCT	GGGATTACAG	GCGTGAGCTA
27751	CCGCACCCGG	CCCTCTCTGA	GGAATTTTTT	ACACTATTCT	TTGTGCTCAT
27801	TGGTCTTAG	GTTCTTAAAT	GTTAGAAACC	ACAGGAATCA	GTACCAAGCT
27851	TTGAAGCCTC	GATTGCCATT	GGCCAGTATG	GATGAGAATG	CCATGGATGC
27901	CAACATGGAT	GAGCTGTTGG	ATTTGTGTAC	TGGAAGGTTT	ACATCTCAGG
27951	CTGAAAAACA	TCTACCCAGG	AAGAGTGACA	AGAAAGAGAA	CATGGAGGAA
28001	CTTCTGAACC	TTTGTTTCAGG	AAAATTCACT	TCTCAGGGTA	AATATCCAAC
28051	CGAGAGTATC	AAGCTTACCA	CACCCAAGTA	TCAGTGCCCT	TGAAAAGAAT
28101	TCCCTGGGCG	GGTGGGGTGG	CTCATGCCTG	TAATCCTAGA	ACTTTGGGAG
28151	GCTAAGTTGG	ATGGATCGCT	TGAGCTCAGA	AGTTTGAGAC	CAGCCTGGGC
28201	AACATGGCAA	ATCCCCATCT	CTACGAAAAA	AAAAAAAAAA	ATTAGCCAGG
28251	CATGGTGGCA	CGTGCCTGTG	GTCCTAGCTA	CTTGGGAGGC	TGAGGTGGGA
28301	GGATCTCTTG	AGCCTGGGAG	ATGAAGGTTG	CAGTGAGCTG	AGATCACACC
28351	AGTGCCTCC	AGCCTGGGTG	GCAGAGACCC	TGCATAAAAA	TAGAAAAAAA
28401	GAAAGAAAGA	AAAGAAGCCC	CTTACCCTCA	GGTGAAGGTT	TCACAGAAAA
28451	CAGGGCTGTG	ATGGAATCTG	TGTATAAACT	GAATTCACCT	CTTAGTGCCC
28501	TGATATTTAG	AACTCTTACT	TTCTTAGAGT	GGTAAAGTAT	CAACTTAAGA
28551	CTACTTTAGG	CCGGGCGCAG	TGGCTCACGC	CTGTAATCCC	AGCACTTTGG
28601	GAGCCCAAGG	CGGGGGATTT	CCTGAGCTCA	GGAGTTTCGCC	ACCAGCCTGG
28651	GCAGCACGGT	GAAACCCCGT	CTCTACTAAA	ATACAAAAAA	TTATCTGGGC
28701	ATGGTGGCCC	GTGCCTGTAA	TCGCAGCTAC	TTGGGAGGCT	GAGACAGGAG
28751	AACTGCTTGA	ACCCCGGAGG	TGGAGGTTGC	AGTGAGCCGA	GATTGTGCCA
28801	CTGCACTCCA	GCCTGGGCAA	CAGAGAGAGA	CTGTCTCAAA	AAAAAAGTCT
28851	TGAAAAAATA	AAAGACTGCT	TTAGCTTTGC	CCATATATCA	TTTATGATTA
28901	ATGTATGTAC	AAAGTTTAGA	ACAGTGTCTG	ATGTATAATA	AATTTTCATAT
28951	AAATGTTAAC	TTACTTCCTG	TTCCCTGCCC	CCAATACACA	CAACTGCTAG
29001	ATCGAACATA	AGCTCTATGA	GACCTGGGAT	AGTGGTTTGT	TCATTACTGT
29051	ATCCCTGGTG	GCCTGGCACA	TATGGCACAT	AGTAAGCACT	AAATAAGGAT
29101	TTGTTGAATG	AATAGATGGT	AGGCTCTTCT	TGGCAAGCTT	ACCTTAGAAC
29151	TGTATCGAGC	TGGCATGACT	TTAGATGGCT	GGGAAAAGAG	TATAAAGCTA
29201	TCATTCTTTG	GTGACACATC	TTTTCTTTGT	TGTGATGTAG	ATGCCTCCAC
29251	TCCAGCCTCA	TCAGAGTTAA	ATAAACAGGA	GAAGGAGAGC	AGCATGGGTG
29301	ATCCAATGGA	AGAAGCACTT	GCTCTTTGCT	CAGGCTCTTT	TCCCACAGAC
29351	AAGTAAGTCT	CAGATTGCTG	GGAATTTGGG	AAGGCCTGGC	CTTTTGATAA
29401	AATCAAAATA	ACTGATCATC	TTAAGGGCTT	TGCACCTTTT	CTGAGAATCT
29451	TTCAGTGGAT	TTGAGTCTCA	TATATGCCTA	GTAAGCAAAT	TATAATGCTT
29501	TGGTGGAGAA	CAGGGTAAAA	AAGGCAAGAA	TATGAAAGCT	ATTTAATATC
29551	ATTAATAGAG	AAATGCCAAT	CAAAACCATA	GTGAGACACC	CATTAAGATG

FIGURE 7K

29601	ACTTTTATCA	GAAAAACCCC	AAGAGTGTTA	GTGAGAATGT	GGAGAAATTG
29651	GAAACCTTGT	GTACTATTGG	TGAGAATGTA	AAATAGTGCA	GCTGCCAGGG
29701	AAAGTATGAT	GGCTCCTCAA	AAATTAATAA	TAGAGGCCAG	GCACGGTGGA
29751	TCATCTGAGG	TCAGGAGTTC	GAGACCAGCC	TGACCAACAT	GGTGAAACCC
29801	CGTCTCTACT	AAATACAAAA	AATTAGCTGG	GCATGGTGGC	GCATGCCTGT
29851	AATCCCAGCT	ACTTGGGAGG	CTGAGGCAGG	AGAATTGCTT	GAACCCGGGA
29901	GGCAGAGGTT	GTAGTGAGCC	GAGATCATGC	CATTGCACTC	CAACCTGGGC
29951	AACAAGAACA	AAACTCCGTC	TCAAAATAAA	TAAATAAAAA	TAGAATGACC
30001	ATATGATCCA	GCAATTTCAC	TTCTTAGTCT	GTACCCCAAA	AAAGTGAAAG
30051	CAGGACTTGA	ACAGATATTT	GCACCCCAT	GTTCAAAGCA	GCATTATTCA
30101	CAGTAAGTAG	TCAAAACATG	AAAGCGACCT	ATGTTTATTG	GCAAATGAAT
30151	GGGTAAACAA	AATGCGGTAT	ATATGCAAAG	GAATATTCAA	CTTAAATGG
30201	AAATTCTGGC	TGGGCATGGT	GGCTCACACG	TGTAATCCCA	ACACTTTGGG
30251	TGGCTGAGGT	GGGCGCATCA	CTTGAGCTCA	GGAGTTTGAG	ACCAGCCTGG
30301	ATAATATGGC	AAAACCCCAT	CCCTATAAAA	AAAATACTAA	AATTAGCTAG
30351	GCGTGTGCCG	GCAGTACCAG	CTATTGAGGG	GGCTGAGGTG	GGAGAATTGC
30401	TTGAGCCTGG	GAGGTCAATG	CTGCATTGAG	CCATGATTGT	GCCACTGCAC
30451	TCTGGGCATC	AGAGCAAGAC	CCTGTCTCAA	AAAAAAGAA	GTTCTGCAC
30501	TTGCTACAAC	ATGGATGAAC	CTTAGAATGT	TATGCTAAAA	GAAATAAGCC
30551	AGTCACCAAA	AGACAAATAC	TGTATGAGTC	CACTTACATG	AGATACTTAG
30601	AGTAGTCAAA	TGCATAGAGA	CAGAAGGTAG	AATGGTGGTT	GCCAGAGACT
30651	GAGGTTATAA	GGAAATGGAG	AGTGTAAATG	GTATAGAGTT	TTAGTTTTGC
30701	AAGCTGAAAA	GAGTTCTGGA	GATTGCTTAA	CAATATGAAT	GTACTTAACA
30751	CTACAGAACT	ATAGAAAGAT	CGTTAAAAAG	GCAAATTTTA	TATTATGTGT
30801	ATTTTACCAC	AATTGAAAAAT	TTAAAAAATT	TTCTTCCTGT	TTATTGAAGA
30851	GATTATTGGT	GATAATAAAA	GTTTTAAATT	TGGCTGGGCG	AGGTGGCTCA
30901	TACCTATAAT	CCCAGTACTT	TGGGAGCCCA	AGGCAAGCAG	ATTGCTTGAA
30951	TCCAGAAATT	CAAGATGAAC	CTGGGCAACA	TGGTGAAATC	TGTCTCTACA
31001	AAAATACAAA	AATTAGCTGA	ACATGGTGGC	TTGTATCTCT	AGTCCCAGCT
31051	ACTCAGGAGG	CTGATGTGGG	AGGATCACTT	GAGCCCTGGA	GGTGAGGTT
31101	ACAGTGAGCT	GAGATGGTGC	CACTGTATTG	CAGGTGGTGT	AAGAGACCAA
31151	GACTGTCTCA	GAGAAAAAAA	AAAAATTAAC	ACACACAAAA	TTTTTTTTTAA
31201	TTCATAACTT	GGCTGACTAC	TTGTAGTTTG	CTTTCAACAA	CTTATTTATT
31251	GATTCATTGA	TTTACATTTT	AGGGAAGAGG	AAGACGAGGA	GGAGGAATTT
31301	GGAGACTTTC	GGCTTGTTTC	AAATGATAAT	GAGTTTGATA	GTGATGAGGT
31351	GAGTATGAAG	GGAACAAAGT	AATCATAACT	GAGCTCCATG	TATTGCTGCC
31401	CTCAAGTGTT	TTTTTCCCCT	CAGTTCTTGA	GAATTCTAAG	TTTGGCATCT
31451	TATCAGAAAC	AATTTCCCTAG	AATGAGGTAT	TTGGGCAGAT	GTTTATAAAT
31501	CCTTTTTTCA	TTGAGGACGC	ATTTTATTCT	GCTTAATTTG	GATATGATGC
31551	TGATTTTGTA	GGATGAACAC	AGTGACTCTG	GTAATGATCT	GGCACTGGAA
31601	GACCATGAAG	ATGATGATGA	AGAAGAACTC	CTGAAGCGAT	CTGAGAAGTT
31651	GAAAAGGCAA	ATGTACGTGT	TATTAATATG	TCCATTCCCT	CAGGTGTATT
31701	TAAAATTTGG	TCACTAGGCC	AGGCATGGTG	GCTTGCGCCT	GTAATCCCAT
31751	CATTTTGGA	GGCTGAAGCA	GGCGGATCAC	CTGAGGTCAG	GAGTTCAAGA
31801	CCAGCCTGGT	CTTGGTGACA	CAGGTCAAGA	GATCGAGACC	ATCCTGACAA
31851	ACATGGTGAA	ACCCTGTCTC	TACTAAAAAA	TATAAAAATT	AGCCAGATGT
31901	GATGACAGGT	GCCTGTAGTC	CCAGCTACTC	AGGAAGCTGA	GGCAGGGAGA
31951	ATCGCTTGCA	CCCAGGAGGT	GGAGGTTGCA	GTGAGCCGAG	ATCGCACCAC
32001	TGCATTTTCA	CCTGGGTGAC	AGAGCGAGAC	TCTGTCTCAA	AAAAAAAAAA
32051	AAAAAAAAAAG	TTGATCACTT	AATATGTCCT	GTGTGCTAAT	AACTGTGCTT
32101	TACAGGCATT	AACATATTAT	CTTATGCCAG	GCACAGTGGC	TCACGCCTGT
32151	AATCCCAGCA	CTTTGGGAGG	CCAAGGCAGG	CATATTACTT	GAGGTCAGGA
32201	GTTTGAGACC	AGCGTGACCA	ACATGGTGAA	ACCCTCTCTA	CTAAAAAATAC
32251	AAAATACAAA	ATAAAATACA	AAAATTAGCC	AGGCATGGTT	CTGGGCGCCT

FIGURE 7L

32301	GTAGTGCCAG	CTACTTGGGA	GGCTGAGGCA	GGAGAATTGC	TTGAATATGG
32351	GAGGCGGAGG	TTGCAGTGAG	CCAAGATTGC	CCCAGTGCAC	TCCAGCCTGG
32401	GTGATAGAGC	AAGACTCCAT	CTCAAAAAAA	TTATCTTATG	AGTGGGTACT
32451	ATTATTCTCC	TCATTTTACA	GTTGAAGGAA	CTGAGCCTCA	GAAAGATTAA
32501	ATTTACCCAA	GATCACATAG	CTAGAAGGCA	GCAGAGGCTG	GATTCAACTT
32551	AGATTAGGTG	AAATCTCCCC	TAACAGTCAG	TTAATAGTTT	GCCACTTTTT
32601	AACTTAAATC	CTCCTGCCTC	AGCTTCCCAA	GTAGCTGGGA	CAACAGGCAT
32651	GTGCCACCAC	ACCTGGCTAA	TTCTTTCTAT	TTTTTGTAGA	GATGGGGCCT
32701	TGCTTTGTTC	CCAGGCTGGT	CTTAAACTGT	TGGCCTCAAG	TGATCCTCCT
32751	GCCTCTGCTT	CCCAAAGTCT	GGGATTACAG	GCATGAGCCA	CCAGGCCCAG
32801	CTTTTTTTTT	TTTTTTTTTT	TTTTTTTTTG	AGACGGAGTC	TCGCTCTGTC
32851	GCCCAGGCTG	GAGGGCAGTG	GCATGATCTC	GGCTCACTGC	AACCTCCGCC
32901	TCCCGGGTTC	AAAGCGATTG	TCCTGCTTCA	GCCTCCTGAG	TAGCTGGGAA
32951	TATAGGCACG	TGCCACCACA	CCCAGCTAAT	TTTGATATAT	TTAGTAGAGA
33001	CGGGGTTTCA	CCATGTTGGT	CAGGATGGTC	TCGATCTCTT	GACCTCACGA
33051	TCCACCCGCC	TTGGCCTTCC	AACATGCTGG	GATTACAGGC	GTGAGCCACC
33101	CCACCTGGCC	GGCCCAACTC	ATTTTTTTGA	TATGCTGTTT	TGGTCATGAA
33151	AGTAAATAT	TTATTTTAGG	ATATTTAAAA	GAATACAAAC	TGGGTGCAGT
33201	GGCCCACGCC	TATAATCTCA	GCACTTTGGG	AAGCTGAGGC	GGGTGGATCA
33251	CCTGAGGTCA	GGAGTTCGAG	ACCAGCCTGG	CCAACATGGC	GAGACCCCGT
33301	CTCTACTAAA	AATACAAAAT	TAGCCAAGCG	TGATGGCCAG	TGCCTGTAAT
33351	CCCAGCTACT	CAGGAGGCAA	AGCTGGAGAA	TCGCTGAAC	CGGGAGGTGG
33401	AGGGTGCAGT	GAGCTGAGAT	TGTGCCATTG	CATTCCAGCC	TGGGCGACGA
33451	GAGAACTCC	ATTCTCCCCG	ACCCCGCAA	AAAAAGAATA	CAGAAAGATA
33501	TAAATAAAAA	CTTATCCATG	TCCACCATCC	AGGATATAAA	TGAAAGTTAG
33551	TTTGTTCCCC	TTAATCTTTT	TTATGCATAT	ATTTTATAT	AGTTGAGATT
33601	TGTACAATCT	TTCTATATGT	ATAATTTTGC	ATCTTTTTTT	TTCTACTTAG
33651	CATATCCAGA	AACATTTTCC	TATGATGTTA	AAAAAAGTTT	TATAAAGATA
33701	ATTCTAATAG	GTATTTAATA	TTATATTGTA	TGTGAATGAT	TTGGAATTCA
33751	CATATAGGAC	ATCATATTGA	TCCCTATTAG	ATTTATATGG	TTGCTTTTAT
33801	CCCATCATTT	CATTCTATTA	AGATTCACCT	TGGGTTCTAA	TTTATCACCT
33851	ATCAAATTAA	CTCTCATACA	GCTTTAGGTT	ATCCATAGAT	TTTTCTAAGG
33901	TAGTGGTTCT	TCTCTGCAGA	GCTCTTTGTT	CAAATAAAAT	CTTTTAAAGA
33951	ATGACAGATA	AAAGTTGAAC	TGTTCAAAGA	TGGTAAGTGG	GAAGTTTGGG
34001	AAACTTAGTG	ACTAGTGGCC	TCTGAAGGAA	TTTCCAGGA	ACTCTAGGAT
34051	TTAGAACAAC	TTAGCTTTAA	GAAAAATACAG	TATAGGCTGG	GCGTGGTGGC
34101	TCATGCCTGT	AATCCCAGCA	CTTTGGGAGG	CTGAGATGGA	CAGATCCCCT
34151	GAGGTCAGGA	GTTCAAGACC	ACCCTGGCCA	ACATGGTGAA	ACCCTATCTC
34201	TACTAAAAAA	ACAAAAATTA	GCCAGGCATG	GTGGCACGCA	CCTGTAATCC
34251	CAGCTACTCG	GGAGGTTGAG	GCATGAGAAT	CACTTGAACC	CAGGAGGTGG
34301	AGGTTGCAGT	GAGCCGAGAT	GGCATCTCTG	CACTCCAGCC	TAGGCGACAG
34351	AGCGACACTT	CATCTCAAAA	AAAAAAAAAA	AGAGAAAATA	CAGTATAGGT
34401	CTTCGATAAA	AATCAGTTTT	CAGAAAGCCA	CCAACTTCT	GCCATTTTGG
34451	ACCACATGGG	ACCAAGGTGA	CTTTGAATCC	AGGGTGACAC	CAGATTTTATT
34501	CTCCGGGGGA	GCTGAAGTCA	TAAGAAGTAA	CTAGTCGTTT	TGATTACCAG
34551	GAGCTCTGAG	CCTTAGTCTT	CCTTCTGATG	TGGGGGTCAA	GATTTGTTAG
34601	GCTGTAAGAA	GATCCCAGTT	TATTACCTTT	CTACACCACA	CCATCTCTAG
34651	TTTGTCTCTT	AAAGCTGGTG	TGCTCAAATG	CAAATGAAA	TAGTTTGAAC
34701	CTTCCAGCAG	GTATTCTAAT	ACATGTAAAA	GAGATTAAGA	GTTTTCTGGC
34751	TTTCAAATCA	CCCAATCTAA	GTTGAATCCA	GGCTCTGCTA	CCTTCTAGCT
34801	ATGTGACCTT	GGGTAAATGT	AATCTTTCTG	AGGCTCAATT	CCCTCAACTG
34851	TAAAATGAAG	AGAATAATAG	TACCCATTCC	TATGATAATA	TGTTAATGCC
34901	TGTAAAGCAC	AGTTATTAGC	ACACAAGACA	TATTAAGTGA	TCAACTTTTA
34951	AATACAGATG	CTCCACATCT	TACAATGGGA	CTATATCCTG	ATCAATCCAT

FIGURE 7M

35001	CATAAGTTGA	AAATGCACTT	TCATATTATC	CAGATATAAC	TCCATCGTAA
35051	ATCGAGAAGC	ATACTAAGTG	CGTATCACAT	TCATGTCATC	GTAAAGTTGA
35101	AAAATCATT	AGTCAAACCA	TCATAAGTGG	AGACTATTAC	AAAAAAATTT
35151	AAATATTATC	AAATGTATTA	TGTTTATTAT	TATTAGAAGT	GACTCTGTTC
35201	TGCTTTTCTT	TGCTTCCATA	TTCTGTGAGT	ATATTCATTG	TTGCATTTTC
35251	TAATCCTCAA	AATTGCTTTC	TAGGAGGTTG	AGGAAATACC	TGGAGGATGA
35301	GGCAGAGGTG	TCAGGAAGTG	ATGTGGGAAG	CGAAGATGAG	TATGATGGGG
35351	AAGAAATTGA	TGAATATGAA	GAGGACGTAA	TTGATGAAGT	ACTTCCTTCT
35401	GATGAGGAAC	TGCAGAGTCA	AATCAAGAAA	ATACACATGT	CAGTATCCCA
35451	ATAAGCCCTT	CTGAGTAATA	GGGTACATCT	TAAGACAAGC	CCTGTAACCA
35501	GCCAGAATGG	TCCTTGTTTT	GAACACCTTA	TTTCTCCTGT	TGCAGGAAAA
35551	CTATGTTGGA	TGATGATAAG	CGACAGCTAC	GTTTATACCA	AGAGAGGTAC
35601	CTTGCTGATG	GGGATCTGCA	CAGCGATGGT	CCTGGGCGAA	TGAGGAAGTT
35651	TCGATGGAAA	AACATAGGTA	TCTTGTTTGT	TGTCTTTAAA	AGCAATCAGT
35701	TACGGGCTGA	GCATGGTGGC	TCACGCCTGT	AATCCCAACA	CTTTGGGAGG
35751	CAGAGGCAGG	TGGATCACAA	GGTCAGGAGT	TCAGGACCAG	CCTGAACAAC
35801	ATGGTGAAAC	CCCGTCCCTA	CTAAAAGTTC	AAAAATTAGC	AGGCTGTGAT
35851	GGCAGCGGCC	TGTAATCCCA	GCTACTCAGG	AGGCTGAGGC	AGGAGAATTG
35901	CGTGAACCCG	GGAGACGGAG	GTTGCAGTGA	GCAGAGATCA	TGCCATTGCA
35951	CTCCAGCCTG	GGCGACAGAG	CGAGACTCCA	TCTCAAAAAA	AAAAAAAAAA
36001	AAGCAAACAG	TTACAATGCA	TATTTGTCGA	GTTTCAGATG	GCAAATGGCA
36051	AGCAAAACTA	TAACAGGCTA	TGTGAAGACC	TAGTTGTAAC	TGTTTTCTGT
36101	TAATGGATGG	GAAAAGTTTA	CATCATTATA	TAGTAAATGA	TAAGGGTTTA
36151	TTTTTTGTCT	GTCCAAGCAC	CCTCTCCTGT	GAGGACTGCC	GAATGCTGAT
36201	TACCTTCACT	CTTTGTTTAG	ATGATGCTTC	CCAGATGGAC	TTGTTCCACA
36251	GAGACTCTGA	TGATGATCAG	ACTGAAGAAC	AGCTTGATGA	GTCAGAAGCC
36301	AGGTGGAGGA	AGGAGCGAAT	TGAACGAGAG	CAGTGGCTTC	GGGACATGGT
36351	AGGAGTTCAC	CTACTCTGAC	CCTAGTTTAT	GAGACTGTCC	CTTAGCTTGT
36401	CATGATAGTT	TCAAAATCTT	AGCTTGTCAT	GATAGTTTCA	AAATCTTAGG
36451	CAACATATTG	CTATCTCTTT	TAATCCTTGA	GCTATCTTTT	GTGTTTTGAG
36501	AAGGCTATAC	CATAGACAGT	TCTCTTCATG	TTTGTCTAAG	ATTAATTTTT
36551	TTTTGTCTAA	AGCAGCAAAG	GCTGCAAAAA	GGAAAACAAA	TACCCACAGG
36601	ACTCTAGTTT	CACAATCCAG	GCCATGCTAA	CTATTTAGGA	AGGTTATAGA
36651	CTTTTAATGC	TGTATATATA	TATATATATA	TATATATATT	TTTTTTTTTT
36701	TTCAGGCACA	GCAGGGGAAA	ATTACAGCTG	AAGAAGAAGA	AGAAATTGGG
36751	GAGGACAGTC	AGTTTATGAT	ACTGGCCAAG	AAAGTTACAG	CCAAAGCACT
36801	GCAGAAGAAT	GGTGAGCTCT	TGTTTCTCCT	TAGGGTCTAG	CCCCCTGGAT
36851	TGTTAGTGGT	AGAGCTTTGG	AGGTGACTCT	AACCTTCAGG	AGCTGTTGCA
36901	GCTTAATCAT	AAGCTTGTGT	CTAATACTGT	CTTAAAGAGG	CTTCACAGAG
36951	GTGGTGGGAG	ACAGTGTACT	TAGATCTTAG	ACTATTGGGC	AGTAGAGACT
37001	GTATTCATGA	GTATATGTGG	CTGGTTTTAC	TTTATGTTCT	AAGGCTCAGA
37051	GTAGTTAATT	CTGGCTTTCT	CTAGTTGCCC	AGGATTGTAT	ACCTAAGTGT
37101	TAGAGGTAGG	ATTTGAATCC	AGGAATATTT	AACTCCAGAA	ATGAAGCTCT
37151	TCACTATTCC	CTACACTGAC	CACTTCTGTT	TTTCTTAAAT	GATTACTGTT
37201	CAACTTAGTT	GTGTCTCTTC	TTGGAGCCAA	TTATTATAGT	TTGAAAGTCA
37251	CCATTATATA	GAACAGAGTT	CCCATGGCTT	TAGCATATTG	ATTTAGTTAC
37301	AAGATTTCTT	AGCTTGTTTA	GATTTAAAAG	TAATTCTAAT	CAGCTTTTCC
37351	CAGAATAGGC	CTCTCTGTCT	TTTCTTTCCA	GCCAGTCGCC	CTATGGTTAT
37401	TCAGGAATCA	AAGTCTTTGC	TCAGAAATCC	TTTGAAGCC	ATCAGACCAG
37451	GAAGTGCTCA	ACAGGTTGGT	TGGGAACCTT	GTTAATCTGA	CATCATAGTC
37501	TACAGGTTAT	AAAGGCCAG	GTCCAGCTTA	GAGAATAGTC	TCTGTCATTA
37551	GAGGAAGGAG	GTGGCTGCAG	GGAAAAAGTT	AATGTCAAAG	GAGTCTGCTA
37601	TTTCTTTTCT	ATTTGAATAG	GGTAGGCATA	TGTACCCTCA	ATATCTAGGG
37651	GGAAGCAGGG	AGGGAAGGAC	TTTTCATTCT	TTAGTTGGCA	CTTGGGATTT

FIGURE 7N



37701	GATACCAGAT	GACTCTTCTT	TCCTCAGGTG	AAGACAGGCT	CACTGCTAAA
37751	CCAGCCCCAA	GCTGTGCTTC	AGAAACTGGC	TGCTCTCTCT	GACCATAACC
37801	CCAGTGCTCC	TCGAAATTCA	AGAAACTTTG	TCTTTCATAC	ACTTTCCTCT
37851	GTCAAGGCTG	AGGCGGCAAA	GGAATCGTCT	AAGTCTCAGG	TATGGAATTT
37901	GAGAACTAAT	ATGGTGGCTT	CCCAAACCAG	AATTTATTCA	TTTATTTAAA
37951	TTTAAAAACA	AAAATTCTGG	CTTAACCTCT	ATGCTGCAAT	GTGAAATCT
38001	TGCACTCCCC	GATAAGGTAC	AAGAGAATTG	CTACCCCAGT	CGGTAATCAA
38051	CTTTTAAACT	TGCCGAGAAA	GTTTATCTTT	CTTTCCTTTT	TTCTGTTGTT
38101	AATCATCCAC	AATTTATGAG	TTGCTTGAGA	GCTAATTGAA	GGTAAATACT
38151	TGTATGAAGG	TCTTTAGCTG	GCCCTGACTC	CCTCTCTGCT	CTCTAGGTAA
38201	AGAAAAGGGG	TCCATCTTTC	ATGACTTCTC	CTTCACCTAA	GCACCTCAAA
38251	ACAGATGATA	GCACTTCAGG	ATTGACGCGA	AGCATCTTCA	AATATTTGGA
38301	GAGCTAACAC	CATCAAAGGT	GCCAAAATCT	ACATTGAGAC	TGCTTTGAGA
38351	AGTTTCTAGC	ACTGAAAGTT	GGAATTGACA	CTCCAGCCAA	TGATCCTTCC
38401	TTCTTTCATA	ATCAATGCAA	TAAGATTGCA	GACAGAAATT	CCAGTGATTT
38451	CTACTGCACA	GCTCTGGACA	TCTCTTTTCC	TAGTATTATT	CCCTGAATTG
38501	GCCACTGATT	TCAATTCTGC	AGTATTTACA	ACATCAACAA	CTCATGGAAT
38551	ACTTGGGTGA	GGTTTCCTTT	TTTTTTTTTT	TTTTAAGATG	GGAGTCTCAC
38601	TCTGTTGCCC	AGCTTGAGT	GCAGTGGCGT	GATCTCGGCT	CACCACAATC
38651	TCTGCCTCCC	AGGTTCAAGC	GATTCTCCTC	CTTCAGCCTC	CCGAGTAGCT
38701	GGGATTACAG	GCATGTGCCA	ATACGCCCAG	CTAATTTTTG	TATTTTTAGT
38751	AGAGACGGGG	TTTCACCATG	TTGGCCAGGC	TGGTCTTGAA	CTCCTGACCT
38801	CAAATGATCC	ATCCACCTCG	GCCCCACAAA	GTGCTGGTCA	CATGCATGAG
38851	TCCTGCACC	TGGCCTTGGG	TTAGGTTTCA	CTTCCTCCAT	TAGACATTTG
38901	ACATTTTATT	GTAGCAGCTT	TCTGGGTTAA	TATCTCTTTG	TGATTGATAG
38951	AAGTGGTTGG	AAGAGGAAGA	GTAGGGAAAA	GTGTGACATT	ACAGATTAAT
39001	CAGTGAAAAT	CAGTACCATA	ATGACTCCTT	TACACCCATG	AGATACTGAC
39051	CATGATGACC	AGGGCTCGGT	GAAAGAAAGA	TTTCTTTTTT	TTTTTTTGAG
39101	ATAGTCTCAC	TTTGTTGCCC	AGTCTGGAGT	GCAGTGGCGC	AATCTCGGCT
39151	CACGGCAACC	TCTGCCTCCC	GGGTTCAAGT	GATTCTCCTG	TCTCAGCCTC
39201	CCAAGTAGCT	GGGACTACAG	GTGCATGCCA	CCACACCTGG	CTAATTTTTG
39251	TATTTTTTAGT	GGAGACAGGG	AGTCACCATG	TTGGCCAGGC	TGGTCTCGAT
39301	CTCCTGACCT	CAAGTGATCC	AGCTGCCTCA	GCCTCCCCAA	GTGCTGAGAT
39351	TACAGGCGTG	AGCCACTGTG	CCCAGCCAAA	AGAACGATTT	CTTAGATGGA
39401	GGACCTAGGA	ACCAACAGAT	GGGCTGCTGT	ATTACTCTTA	CCCCTTTCAT
39451	TTTCTGTAT	GCTTCTTCCC	AAGGCAGCAT	CAAATTTTGA	ATTAATTTTT
39501	GCTGCTTAAT	AAGGACTTAA	ACTGGTACCC	AAGTCAGAAA	GACTCTGCCT
39551	CTAATTTTCT	GGGGCTTGGG	GATGAAGATA	AAGTGTTACA	CCCAGTGTTT
39601	GTCCACCACA	GTCTGTGGGG	CAGAGAGACC	CTTCCTGGGA	CTGAATTCTC
39651	AATTTGAAGC	ACTGTTGTTC	AAAGATCTCC	CTTCTGGGTC	TGACAAGAAG
39701	AAACATAACC	CTTATTTATT	GCATTCTTCT	GGCTTACATA	CATTGCCCTC
39751	ACTAATCAAT	GGACATTTCA	GCATTTCAAT	ACTAATTTTG	AGAGAAGGCC
39801	ACCATGGAAT	TTAATAAAAA	TATTATTGAA	GAGAATTGCC	ATCATTCTCC
39851	ATTTTCCCTG	AACTACCACA	AGCTTCTCAG	AATTTTAGAC	AAATGTTTTT
39901	CCCCTCAGAA	CTGAGCATCA	GTGCTGCTTT	GGAAAAACAT	TCCATGTGAA
39951	TACTGTGGTT	TCAGTGTGAG	GACCTGTACT	TGGGCAGTTG	GAAGAGAGTG
40001	TGCCAGTTTT	TTACTGGGAG	ATGGGAACAC	CAATTTAATT	GATGCAATTA
40051	GGTTGTAGGT	TTTTTACAGT	TTTTCTTTTC	TTTTCTTTTT	CTTTTTCTTT
40101	TCTTTTCTTT	TCTTTTTTTT	TTTTTGAGAC	ATAGGCTGGC	TCTGTACCTT
40151	AGGCTGGAAT	ACAATGGCAT	GATCTCGGCT	TACTGCAACC	TCCGCTCCTT
40201	AGGTTCAAGC	AATTCTGCCT	CGGCCTCCCA	AATAGCAGGG	ATTACAGGCA
40251	CTTGCCACCA	CTCCAGCTA	ATTTTTTGTA	TTTTTATTAG	AGATGAGGTT
40301	TCGCCATGTT	GGCCAGGCTG	GTCTTGAAC	CCTGACCTGA	GGTGATCCAC
40351	CCGTCTCGGC	CTCCCAAAGT	GCTGGGATTA	TAGGCATGAG	CCACCGCACC

FIGURE 70

40401	CGGCCGGTTT	TCTACAGTTT	TCTAATACTC	AAGATGTTGA	CTTTGACAAT
40451	ACTTATGTTT	GTATACTTGT	AATCTTATAA	TGGGGAAAAT	GTGTATAAAG
40501	ATGTTTTAAT	ATGTATGTAG	TTTTTCAATA	AATCTTAATG	CCTTGAAGGG
40551	AAGATTTGCT	GTCCAGCTTG	AATGCTCATT	CTTGGGTCAG	TGCCTGTCTA
40601	ACCTTGAGGA	GCATTTTCATT	TTCAGGTTAT	CTCCATCCCA	GGGAAACCCT
40651	CTGGGTCTAA	ACTGAGAAGC	TGCTGCAATT	GTCCCCTCAC	TGGCTTCTCA
40701	GTCCTAGTGA	ATTGATCAAG	TTAACTTACC	AAGTGGTTTG	GGTTCAGCTC
40751	AGGTGAAGAG	GATAATTGAG	TTTACATAAA	TGGTACCTTC	TATTATAGCT
40801	CTTTGTTTAA	AAAACCTTATT	TTTTAGAGAC	AGTCTCATT	TGTTGCCAG
40851	GTTAGAGTGC	AGTGGCACAA	TCATAGCTCA	CTGTACCCTT	GAACCTCTGG
40901	GCTTCAGCAT	CCTCCTTCCT	CAACCTTTGG	AATAGCTGGG	CCACATTACA
40951	GGCATATGCC	ACCATGCCCCA	GCTAATTATT	TTATTTTAGT	AGAGACAGGG
41001	TCTTGCTGTG	TTGCCCCAGC	TGATCTTGAA	CTCCTGGCCT	CAAGTAATCC
41051	TCCCACCTTG	GCCTCCCAAA	ATGCTGGGGT	CACAGGCTCA	GCCACCATGC
41101	CCAGCCTGTT	ACAGCTTTGA	TTGGCCTTTC	TCTTTAGCTA	AGTTTGTATG
41151	TACTTCATTT	TATCCATGGG	TTCAAGATAC	ATGTTTTTGC	CTCTTTCTTT
41201	GAACTCTCTA	AACAGTTCCC	AAGGCCAAAGT	AGCCCTTGCT	GGGCAAAAGA
41251	GAACGTAGCA	GGAAGGCTAG	ATATTTCTTC	CCTCTTGTTT	CCCTACATGT
41301	CTTTTGAGGA	GAGATAGAAA	AGACAATTGG	AATTGACAAC	TGAGGATAAG
41351	AAAATTCAGC	CAGGTCCGGT	GGCTCACGCC	AGCACTTTAG	GAGACTGAGG
41401	TGGGTGCATT	GCTTGAACTC	AGGAGTTCGA	GACCAGCCTG	GGAAACATGG
41451	TGAAATCCCA	ACTCTAAAAA	AAAAAAAAAA	AAGAAAAAAA	AAAGAAAATT
41501	AGTGCCTGAG	AAATCCAGGG	AGAAAATGGT	TTCTGGGCTG	GGCGTGGTGG
41551	CTTATGCCTG	TAATCTCAGC	ACTTTGGGAG	GCTGAGGCAG	CTGGATCACC
41601	TAAGGTCAGG	AGTTGGAGAC	CAGACTGACC	AACAAGGTGA	AACCCCGTCT
41651	TACTTAAAAA	TACAAAAATC	AGCCAGGCTT	GGTGGTGGCA	GGTGCCTGTA
41701	GTCCCAGCTA	CTTGGGAGGC	TGAGACAAGA	GAATTGCTTG	AACCTGGGAG
41751	GCAGAGGTTG	CAGTGAGCCG	AGATCACGCC	ACTGCTCTCC	AGCATGGGCG
41801	ACAGAGTGAG	ACTCCCTCTC	AAAAAAAAAA	AGAAAGAAAG	AAAATGGTTT
41851	CTGATTGAGG	CTCCTGGGAG	AAAGCACTCT	TTGGAGAAAG	AAAACCTGAG
41901	TCAAACCTCTG	GGTTACTTTT	CCTTATGCCA	GGATGGCTGC	TATAAAGTAA
41951	GCTAAGCCTT	GATCTTG GTA	ACAGGATTGA	CATGGACAGT	TTCAATCTGA
42001	CCCATATGCC	CTTTGCCCAA	AGCACTGAGC	CAGCAGCATC	AGTTATGTTT
42051	TAATGAAATT	GAAGCCCCAG	GACCTGCCAC	TATGGCTCTG	AGGAGGACTC
42101	AGCTTCACTA	GCTTGGAAT	TACATATTTG	GAGGGATGAG	AGCCCATGAG
42151	TGTGGGAGAT	AGGGTAGGCT	CAGTGTCACT	GTTTTTGTTT	CTTCCTTGTT
42201	CCATACACTT	GAGTAGGGAT	ACATGGTATT	AACCTCTTTA	AACAGGTCTC
42251	TAATTTTCATC	TCATTAATTC	ACAGTTGCAC	AGCCATACTA	GGGTCTCTTC
42301	CATAAACCAT	AAGATTTTAT	TCACCAAAGC	TCTAGAGACA	AGGTACTCAG
42351	ATCTCTGTGG	CATCCCTCAT	TTTCTCAACT	GCTTCTCTAC	AAACTTCTCC
42401	TCACTTTGAG	AGTTTCTAAT	GCTCAGGCTG	GGAGACTTTT	TAGGGGGTGT
42451	TTTTGGTTTT	TATCTCCTAG	GGTTATGTCT	AATCACTCTT	GTGGCATCCT
42501	GTCCTGGGAT	TTGTGCTCCT	AAGGATAGAG	GAGAGTATTT	CTGGGAGGAG
42551	TGTTCCCATG	ATACTATTTG	ATTATGTCAT	CCTTGAGATG	GTATTGTATC
42601	TTCTACCCTT	ATATCCTACT	CATCGCCTGG	CACACAGCTT	GGAATGTAGT
42651	GGTGCCTACC	ACAGTTTGAA	TAAATAACAC	TACACCTTTC	AGAGCCTCTG
42701	TTTATAAAAT	GAGGATACTA	AGTCATGGCT	GTCTCAGAGT	TGCTGGGGGG
42751	CTTCAGTTGG	AAAATGTATG	TCAGTGCATT	ATGTCAAGTG	CCACTCTGTA
42801	AGCATAAGAA	ATTGCCAGTA	GCTCCCAGAA	AAAAGAAAAT	CACCTCCTTT
42851	GAGAATGAAA	GAAATTACCA	GTATCACAAT	TATATCATAT	ATTGTAGGCC
42901	ACTTCTGAAA	GGCCCATTGT	TTCTCAAATA	TCTCAAACCT	AAAATGAAAA
42951	TGTGATCTTC	TCTAAAAACC	TGCTCTTCCT	CCTGTATTTG	CCATTTTCAGT
43001	AAAAGGTACC	TCCATATATC	CAGTCACTCA	GACTGGAAAT	CTGGAGAGCA
43051	TTCTTGACCT	GTTCTTTAAT	CCTGTAATCA	GACAATTTCC	AAGTTCTGTT

FIGURE 7P

43101	ATTTCTACTT	CCAAATTGCA	TCTGGAATCA	GCTCATTTCT	TCCAGCTCTA
43151	TGGCCAGCCC	CCTGGTCCAA	GATTCCACAA	TTTCTTTCTA	GGGTCCACC
43201	GTAGCCTCCT	GACCCCCCA	CTTCTGTTTT	TGCTTCCTTT	TCATCCAATC
43251	TGCACAGCAG	CCAGAGGCGA	CCTTTATGTA	AATATAATTT	GGAGGATGAC
43301	ACTTCACTAC	TTAAAATCTT	TTAATGTCTT	CCGCTGCACT	CAAAGTTCAA
43351	ACTTCTCATG	GCCGATGCAT	GACATAGCTC	TGCCTCCCAA	CCTGCTGTCT
43401	ACTCTTCTTT	CTCATGACAT	GCAGCCTCAG	GAGCATCTAA	AGTGTCTCT
43451	TTCCCTGGAA	TGCCCTCCCC	TACATCCATC	CTCCTTCTTT	GTCTGACTAA
43501	TGCATAATTC	TCAAGGTGTT	AGCTTAAGCC	TAATTTCCCTC	AGAGAAGCCT
43551	TCTCTGACCA	TTAACACCCC	TTTCTTTTTT	CTTTCTTTCT	TTTTTTTTTT
43601	TTTGAGACAG	AGTCTCGCCC	TGTCGCCCAG	GCTGGAATGC	AGTGGTACGA
43651	TCTCGGCTCA	CTGCAACCTC	TGCCTCCCGG	GTTCAGGCGA	TTCTCCTGCC
43701	CCAGCCTCCC	AAGTAGCTGG	GATTACAGGC	ATGCGCCACT	ACACCCAGCT
43751	AATTTTTGTG	TTTTTCAGTAG	AGACGGGGTT	TCACTATGTT	GGTCAGGCTG
43801	GTCTCGAACT	CTTGACCTCG	TGATCCGCCC	GCCTTGGCCT	CCCACAGTGC
43851	TGGGATTACA	GGCATGAGCC	ACCAAGTCCA	GCCTAACACC	CCTTTCTTAA
43901	TTAGGTTACC	TTTGTATAAG	TTTCCTATTC	TTTTTTTTTG	AGATGGATTTC
43951	TCGCTCTGTC	GCCCCGGCTG	GAGTGAGTGC	AGTAGCACGA	TCTCAGCTCA
44001	CTGCAACCTT	TGTCTCCCCC	GTTCAAGCAA	TTCTGCCTCA	GCCTCCCAAG
44051	GGGCTGGGGT	TACAGGCACG	CACCACCACA	CCCGGCTAAT	TTTTGTATTT
44101	TTGATAGAGA	CGGGGAAGGT	GTTAGCTTAA	GCCTAACTTC	TTCAGAGAAG
44151	CCTTCTCTGA	CCATTACCAC	TCCTTTCTTA	ATTAGGTTAC	CTCTGTTTGA
44201	GTTTCTTGTT	CTTTTTTTTT	TTTTTTTTTT	TTTTTAATAT	GGATTCTTAC
44251	TCTGTCAACC	AGGCTGGAGT	GCAGTGACGT	GATCTTGGCT	CACTGCAACC
44301	TCGGCCTCCC	GGGCAATCAA	TTCTCCTGCC	TCAGCCTCCC	AAGTAGCTGG
44351	GGTTACAGGT	GTGCACCACC	ACATCTGGCT	AATTTTTGTG	TTTTTAGTGC
44401	CCAGCTAATT	TTTGTATTTT	TAGTAGAGAC	GGGGTTTCAC	CATGTTGGCC
44451	AGGCTGATCT	CGAACTCCTG	ACCTCAAGTG	ATCCAGCTAC	CTCAGGCTCC
44501	CAAAGTGCTG	GGATTATAGG	CATGAGCCAC	CACACCCAGC	CTTAGGTTTC
44551	CCATTCTTTT	GGGTCTGTCA	TCATGATGTG	TTACTTTAAT	GTTTCGTTGAG
44601	GCTTGCTTTT	CCTACTAGAC	TGTAAGTGCT	GTGAAAACAG	AGCATATCCG
44651	TTTTGTTGAA	AAATGTATGC	TTTGGGTAGC	ACCATGCCTG	GCACATAAAA
44701	TAATTC AATG	AATTTTTTGA	GCAATGAGTG	ATGGGAGGCC	TGGAAGAGCT
44751	AATGGTGAAA	AGCATAGAGC	TGAATTATAT	ACAGAGGAGC	TTTCTAGTGC
44801	AGGACAGAAT	AGAGGTGTAG	AGCTTTAGTC	CTTGCTCTTT	CTGCAGCTTG
44851	TAAGCATCAT	GACTTTGGGT	AAGTCAGTCT	CTTTTTTCCT	CAACTGGAAA
44901	ATGGGGCTCA	TGTGAAATGA	CTTGGTTTAG	CTCACAGGGT	ATGGTTAGGA
44951	TCAAAGGTAC	AAATTAATGT	GAAGTGAATG	TACATATTTA	AGAGGCTGCA
45001	CTAATGCAGG	CTAACTCACT	GCTGAGGAAT	GGGTAGAGCT	GAGTGGGAAG
45051	GAGAAGCCAA	GCCCCAACAA	AGCTCCATAG	TCCACCATTG	GTGGCTAGCT
45101	ATGTGCTGAG	ACTTGTTATA	GCAGTAGAAA	TGGAGGCCTG	TGTGTATGCC
45151	TGGACTCCAG	TGAACTGGGG	AGATAGACGT	GGCTTGTGTA	TGGCTGGTGT
45201	CACCTCAGAT	TTTACCTTTT	GAGACCAAGG	TGCCTGGTTT	CTGTCCCCAG
45251	TAGTTTTATT	GTCTTGGTCT	GTACCATCCA	CGTCCTTCCC	ATCCCCCTCT
45301	TTTGTCTCT	CTCCTCTCAC	CTTAAAGGTT	TTTCATTTTC	AGTTTATTGA
45351	TTTAGTTCTA	CCCTGTGGTG	GGATTCTATA	TGGGAAAAGG	GAGTTTGAAG
45401	TAGCTACAGC	CTAAGGGTGA	TTGGAAGGAG	TTGGGGTGGA	CACCTGAGTT
45451	CCTTCCCTTC	ATTTTAGAGA	GAACCGTAGT	CCGCGGAATT	CTTGATGGCT
45501	GGTGGGCTAG	ATGTAGGGTT	GAAGAGGCAG	CTCCAGCTC	CAGGCTGGAG
45551	AATTATTGCC	TAGTCCAAGG	GGTAGAAAAGT	GCTGAGGCAG	GGTTGGGAGT
45601	GAGCCGTGGT	TTGGGTTTTT	TGGCCCTCAT	CTCTTTTCT	CAGAGGCTGA
45651	AGGAAGGAAA	AAGGCTGACT	GCCCACCTT	CTGTTTGTG	GTCTTGTCTA
45701	ATTTAACTTA	CGTTATTTAT	CAAAAAGACA	GGTTATTTGG	AAAACCAGAT
45751	GGACCTAGGC	AAAAATCATC	TGGGTTTTCC	AAACGTGAAA	AATTAGGTTT

FIGURE 7Q

45801	TGGGGGCCCCA	GCAGGAAAGG	CGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG
45851	TGTGTGTGTG	TGTGTGTGTG	TGTGTGTGTG	TTTGAGGGGA	GGGTGAGGTT
45901	GAGTGAATGT	CTCTGTAGTT	AGACCCAGAA	ATTGTTCCAT	GACTTCCAAG
45951	CATACTCCCT	CCTTCATTTT	CCTTCAAGTT	CTTTATGATT	AGAATCTAAA
46001	TGAGAAAATT	AAAATCTTCA	TGTTGGTTGC	TGGATGTCTT	AATTGACCAA
46051	GGATTAGAAC	CCATCAGGGC	TATAGAAGAA	CAGCAGCTGA	CAGTTTTCTC
46101	TATCTTTCCA	GCCCTCAGTC	CCTTACACAG	AGTGGGCAGG	TTAGTGAGAG
46151	GTGCAGGGTA	CTGAGAGTTT	TCTGAAACAG	AAACCTGTGC	TTCTTGTCCC
46201	TTCAATGTTA	TTGTTCCAAA	GAGTTGCAGC	AAATATGGAG	GTTAGACATT
46251	AGGGAAGAAC	TTATCATCAA	CTTTCTGATG	ATCAAATGGC	TAAAAGAACA
46301	CTGAGGATCC	AGGGCTGTCT	CTCCATTGAC	TATCCAGGGA	AGGAGCTAGC
46351	CCAGTTTTCT	TTTGGGCAAT	GGTGGCTTGC	TCTGTAGCTA	CAACCAGGAA
46401	TTTGTAATAAC	TTGTGGTTTT	GGGCCAGGCA	TGGTGGCACA	TGCCTGTAAT
46451	CCCAGCACTT	TGGGAGGTTG	AGGTGGGGGG	TTTGCTTGAA	CTCAGGGGTT
46501	TGAGACCAGC	CTGGGCAAAA	TGGCGAAACC	CCATCTCTAC	AAAAAATACA
46551	AAAATTAGCT	GTGCATGGTG	GCATGCACCT	GTGGTTCCAA	CTACTTGGGA
46601	GGCTGAGGTA	GGAAATCACT	TGAGCCTGGA	GGTTGTGGCT	GCAATGAGCC
46651	AAAAGTGCAG	CATTGCATTG	CAGTCTGGGT	GACAGAGTGA	GACTGCCTCA
46701	AAAGAAAAAA	AAAAAATAAA	AAAAAGCTTG	TGGTTTTGTT	ACCTTGAGCA
46751	GCAACATTTT	TAGGAAGGAA	TTAAAGCAGG	AGGCTATTGA	GGCATAGCTC
46801	TTGGCTGCCA	TAGAGGAAAT	GTTCTGGCTG	AAAGCAGAAA	GCAAGCCATC
46851	CAGTTCATAC	ACATATGCAC	ACACACAGAA	GACAGCCAAG	ACCCTTTCTG
46901	GCCTGAGAAA	TCTTTGGCGG	CAGCAATAGC	ACTTGTCCCA	TTGTGAGTGG
46951	CATTTTTTTT	AAAGTGTGAT	TGGACTGTGA	AAGCTACTTA	ATAACTTGAT
47001	CTCATCTGAA	TAATCTGAGT	TAATACTAGC	TTCACAGTTG	TGAGGATTAA
47051	ATAAAAAAAA	ATTGTAAAGT	GTCTGCCTCA	AGGCCTGGCA	CAGAGTAAAT
47101	CTCAACAAAT	GCTCGTTGAA	TGAATGAATC	CATGAATCTG	AGCATTAAGG
47151	CCCCCCTCAC	CGTTTCCAAG	GATCAGTGCA	TAACAGCCCC	GGTAACTGAG
47201	ACTTGTAGAC	TGTCCCAACT	GAGCCTGCAG	CCTGAGGCAT	GATCTAAACC
47251	TGCTGTTCCCT	TTGACAAATA	TTTGATGAGT	TATGGTGTGG	AGGGTGGACC
47301	CTTCCATGAA	GGCCTTGTTG	GCCTAGCTGT	TGGAAGCACT	ATGCAGACAG
47351	TCTTCCAGGG	TGGGAATTGC	CTCAGAGAGC	ACCTTGCCCA	AGGTCAAGGA
47401	TAGCCACAT	TCAATGGCAA	CAGGTGTGTA	ACGGCCTGGC	CTTCTTAGCT
47451	TATTTTGGGT	CAACTCTGAA	GGGCCATTCT	AGCTTCAGAG	CTCCCTGTGG
47501	GTTTGGCTGA	GGCTGTCACT	GGCTTGTCTT	GTAGATCAGC	CTCTTCTCT
47551	GGCCACTCCT	GCTCATTCTC	ATTCTTCCAC	AGCTGTTGAT	CCCAAGGAG
47601	GTTCTTAATA	AACATCCAGC	ACATTAAACA	GTCTCAGAGT	TGGCTTCTTG
47651	GGAAATCCAA	GCTATGAATG	CACTAGTCCT	GGTGGCCAAG	CCTTTAGAAC
47701	AACAAAGAAC	GGAGACTCCT	TTGCAATGGA	TTTCCAGCGT	TGGAGGTGTG
47751	GATACTGTCT	CTTTATGCCC	ACCAGAGGGC	AGCAGCATCC	TAGCCACCTG
47801	CCCTTCTGAG	GCTCCAGGAG	TGGGCTTGAA	GCCTTTTCCC	CGGCAACTTC
47851	ACGCCCCACA	CCAGTATTGG	GCAGGATCAC	CTCCCTTAGG	GTGTTACCCC
47901	TCCTGACTAA	AACAACAAAA	CTTTCTTAAA	CTGTCCAGGC	CTTAGTTTTG
47951	TTAGTCTCAA	GCTCCTGTAC	CACCATCACT	GAAGGCCAAT	CAGTCTTCCT
48001	ACTGTGCCCC	TTCCCTTGCT	CCTCGTCCGG	CAAGCTCCGT	GCCTGGGATC
48051	CCCCACCTCT	CACACTTACC	ACCCACAATA	GATTTGTTTT	CTGTGTGACA
48101	AGGTAATTAC	AAGCTTGGGG	CCAGTAGGCC	CAGGGGCCAG	TCTGAGGATG
48151	GTCACCTCAT	TCTGGCTCTC	CCTGTTCTGC	TAACGGTATT	GATTTTCAGT
48201	TTTATTTATT	ATGATGATGT	GTGTGTGTGA	TCTGGCCCTG	GTGACATGAC
48251	ATATGGAGGC	AAGAGGGCGA	GAGCAAATTT	CCTTTTGTCA	CAATTTGACT
48301	TCTTGAAACC	GCACCCCCAC	CACCACCACC	CAGCATTGTT	TATTTACAGG
48351	TTTTAGCATC	TTTGCTTACC	TGTCTTCATT	CTGTCCCCTC	ATCCCCAAG
48401	ATTTCTAAGA	GATTCTTCTG	GGAATTGGAG	CCAGATGGAT	GTGACTACAA
48451	GAAGGAGGAA	AGGGTCTGGG	AAGAGGAGTG	ACAGCAGCAA	GCATACTACC

FIGURE 7R

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48501 TTTTGTTAGC AGCCATTAAC TCATCCAGCA AACATTTACT ACATTCCCAT
48551 CACCTGTCAG TTACTTCTAG GCTAAGCTCC CCAACTCCCT GCTGGGGGCC
48601 ATCCTGGAGA CAGGTTTTGC TATGCGCTTT TTTTTTTTTT TTTTTTTTTT
48651 GTCTGCATCT GTTTCTATGG GTGTGTGAGG AAAACCTGGC CAGAAAGCTT
48701 TGAGAGAGTG AGATTGAGTT TGGGTGCAAC CAACTCAAAG AACGATGCTT
48751 GCCTGAATTT AAGGCTACTT AAGGCCTCCC GTAATGTAGT CTAATTCCCTT
48801 ACGAGGAAGA GGAAGGGCAA GCTTGAGGCA AAACATTACA AGTGGGAGGG
48851 GGCACCTCTG ACTGCAATGA TTGCCGTGGG AATCAGCTGA GGCTGAGGGC
48901 GATTGTGGG GCCATGTTTC CCCAGCCTGT CTTCTCTGTG CGTGCCAGGA
48951 GAATGAATAA ATCATTGTTC AGGGGCGGGA TGCAGCTGCC GAGCTCCTCC
49001 CCTCGGCACA TGCCCCAACT CCAGCTCCTC CATTGAGGGC TGCTGGAGCA
49051 GAGCGGTTTA TACACCCAGC TCCCCAAATC CTATTGAGGC CTCCCCCTCC
49101 GCACGAGCCA CCGGCTCCAA GCCCATTAG GCTGGCCCTT TGTGCTGGGG
49151 GTTAAGTGGT TACATGTGGG GGGCACCCAG AAAGGAACTG TCAGGCCTTG
49201 AAAGGCTGTG CTGATACAGT GCCCTCCTAC TGATGAATGG GGTGGGTGGA
49251 GGAGAGGTGG GCGGCCGGAG GGTGGGTGG GGGAGAGGGC ATGGGGATTA
49301 TGGAGCCCAC AGAGGCAGCT CTAGGAAGG GGGTGAACA GGCACCCCTT
49351 TCTCTCTTTC CTCTTCACT TCAGCTTCTC CGTCTAGCTT ACTCCCTCTG
49401 TTGTGGGCAC TGGATGATCA AGAGCCTTGG GACCTTGGAT TTGGCTTTTC
49451 TGATGTCCTG GTGACCGCTT GAGTGCACCT GAGAGAAAGA ATTTATATTA
49501 CCTTTCATTC TTCCAGCAGC TCCGAAAAGA CCTGTTTCTC CCTTTTCCCT
49551 TGGAAGGGGT GGGTGAGAAG GGAACAGTG TTGGGGACAG GGGGAGGATT
49601 CATTTCTAG GTTCATCTGG TGCAGTGGAT TTGCAGCTGT GCCCTGCCGA
49651 ACTTTTAAAA GCTTCTCTGA AGTTCCCTCG GAGCCCTTAG GTGGAGGGTT
49701 TAGGGGAAGA CAGATCTCAA ACTGGATATA TTGGAAAGAT TTTGTTGAGG
49751 AAAAAGAAAT TACTTCAAG CTCTAAAAAT GCTTTAAAC TTCTAATTGA
49801 ATGTACCGCC TTGTCAATTT ACAGCTGGGA AAACAGCCAA AATGGAAGAT
49851 AGGGGAATGG GCATATTTTA CCTAAGGTAA ACACATAGTA ATTTCTTGAT
49901 AGACTAAAGA GGCACCTTAC CTTTAAGAAG CAGTAGAGAA ATGGATGAAC
49951 AAAACAAGTA GGTATCAGC TTCCTAGGCC TTCCTTTCCC AAGATGAACC
50001 AATTCTGGGG AATAATGTTT GTTCCAATCT GCCTTAATGG CTCTTTGGCA
50051 TGTCAAAGGT CCTCTGGGGT TGTGCCTGGT CTTGGGAGCC CAAGTGACAA
50101 TGTTCAACCAC TATGTTATTG AACAATTTTT AAGGCATATT ATTTTATTTA
50151 GCCCAAAAAG GTTAAAATGA TTTGATTTCG CTAAGTTCCC AAAGCCATGT
50201 GGGGAAGTTG ACAGATGATG TGACCTCAGG AAGAGAGAAG AAAGCAGGTT
50251 AGCAACGTAG TTTGTAATCC AGGATCGTGC TTTGTTCTGA TATGGAAACT
50301 CTGAGGGCTT CCTCAGTTAC TTCCCTGCTG TCCCCAGGAT GGAGCCCAAG
50351 CTCCTTGGGA TGGTGTCAAG AACTTTCACA ACTGGGCCAA CTTTATCTTC
50401 TAGCCTCACC TTACCTCCAT TTCCCACCGA GCTCCAGCCA CACTGGCCTA
50451 CGGGGTGTTT CCTGAACTCA CTCTGAAAAT GCAGTCTCCT ATGCCTTCTC
50501 TTGCTTTCTC TTGGTGAGCT CTTATTATC CCTCAAGGCC TGGCTCAAAT
50551 ATCACCTCTG TGCTAGCTGG GTTTAGTGGC TCATGCCTGT AATCCCAGAA
50601 TGTTGGGAGG CCAAGGTGGG AGGATCACTT AAGGTGGGA GTTCGAGACC
50651 AGCCTGGGTA ACATAGCAAG ACTCCATCT CTTAAAATAA AAAAAATCAC
50701 CTCTGTGAAG CCTTTCCTTA CCCTTTTCTG GGCTTACTAC TTTTGCCTCC
50751 TGGCTCTGTT GCAGGGCCCA TTACATTGTT ATAGCCCACT CTCTGTCTA
50801 TTCCTTTCTT TTGAGACAGG GTCTGGCTCT GTCACCCAGG CTAGAGTGCC
50851 GTGGTGTGAT CTTGGCTCAC TGCAACCTCT GCCTCCCAAG TTCAAGCAGT
50901 TCTCGTGCC TCGCCTCCCA AGTAGCTGGG ATTACAGGCG TGTGCCACCA
50951 TGCCCGGCTA ATTTTGTAT TTTTAGTAGA GACGGGGTTT CACCATGTTG
51001 ATCAGGCTGG TCTCAAATC CTAGCCTCCA GTGATCTGTC CGCTTCGGCC
51051 TCCCAAAGTG CTGGAATTAC AGGCATGAGC CAACACACCA TGACTTCTGT
51101 TCCCCTTTCT AAACAAGGAG CTCCCCAAGA CCACGACCAG TTCTGATTCT
51151 GCTCTGAATT CCCAACACAG TACCTGGCAC AAAGTAAGCA CTCTGTAAC

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FIGURE 7S

51201	GTATGATACA	TGTAATGAA	TGGGTGGGAA	GGGACAAGGT	CTTTGAAGCT
51251	GAAACACCTT	GATCTTACCC	ACCCCTTTCT	TCCTGAGAAT	ACTGATATTG
51301	AGAAATTATC	CACCTATGAA	TAACCCCTTAG	GCCTGTCCTA	TTTCCTGGAT
51351	GAGAAATTCC	TCTCATCTTC	TCTGGTCTCC	TTGCCTGACA	CCCCAGGCCC
51401	TGGGACCTGG	ATCTGGCTAC	TCACTGCTAG	CCTCTCTTGG	CTCTGACATC
51451	TGTTTGCCAA	GAGGCTTACC	CGCTGTCCAT	CATTGGGTCT	TGATGGCATG
51501	GCCTTTTGCA	AAGCCCTGTT	CAGGCTGATA	CTGGCCATCT	CTGGAGGTTT
51551	CTGTGTCCTT	GCCACTTAAG	TTCTTGGCAT	ATATGTGGGT	AGGTGAACCC
51601	AGCCACAGAT	ACCCTTTCAC	TTGGGGGTGA	ATTATTCTCT	GGTGTCCCTCA
51651	CTGGAAAAGC	CTCTGGCAA	TGAATAACAG	GCATCTCTAT	AGCTGCTTTT
51701	TTGTCTTCCT	GTGGACATGG	ACATCCCTGC	ATTTGGAGCT	TTTTTTTCTT
51751	CAGGTTTTGA	GCTCTGAAAA	TTATGGAGTG	ACCAGGACTG	CTGTGTGAGC
51801	ACTGACTGTA	TTAATTATAC	AGTGCTAGAA	TATTCCATAC	AACACTGCCC
51851	TTGATTAACA	AAACTGGCTA	CAGGCTGGGT	GTGGTGGTTC	ACGCCTGTAA
51901	TCCCAACACT	TTGGGAGGCC	GAGGTGGGCA	GATCACTTGA	GGCCAGGAAT
51951	TTGAGACCAG	CCTGGGCAAC	ATAGTGAAAC	CCTGTCTCTA	TTAGAAATAC
52001	AAAAATTAGC	CGGTGCAGTG	GCACACGCCT	GTAGTCTCAG	CTACTCAGGA
52051	GGCTGAGGCA	TGAGAATCGC	TTGATCCTGG	GAGGCGGACG	TTGCAATGAA
52101	TGGAGATTGC	ACCACTGTAC	TCCAGCCTGG	GCAACAGAGT	AAGACTCCGT
52151	CTCAGGGAAA	AAAAAAAGAA	AGAGAGAGAC	TACAATCTGA	TTTCCTTTAA
52201	ATGAATTCAC	TTGACTTAGC	AGGTATTGTA	TTATTTAGGA	ATAACTAGCT
52251	TTAGGCCAGG	TGTGGTGGCT	CACGCCTGAA	ATCCTAGCAC	TTTGGGAGGC
52301	CAAGGCAGGC	AGATCACCTG	ATGTCAGGAG	TTTGAGACCA	GCCTGGTCAA
52351	CATGGTGAAA	TCCTGCCTCT	ACTAAAAATA	CAAAACATTCA	CCAGGTGGCG
52401	GGCACCTGTA	GTCCCAGCTA	CTCAGGAGGT	TGAGGCAGGA	GAATTGCTTG
52451	AACCCAGGAC	GTGGAGGTTG	TAGTGAGCCA	AGACTATGCC	ACTGCACTCT
52501	AGCCTGGGTG	ACAGAGAGAG	ACTCCATCTC	AAAAAAAAAA	AAAAAAAAAAG
52551	GAATAACTAG	CTTTTTAGAA	CAATGGAATT	GATGACTCAG	CTATTCCAGG
52601	CTGGGGTGCT	GCCCTGCAGA	GCACGATATA	GGCTTTATTT	ATTTTATTTT
52651	AATTTTTTTT	TTTTTGAGACA	GGGTCTTACT	CTATCGCCCA	GGCTGGAGTG
52701	CAGTGGCACG	ATCTTGGCTC	ACTGCAATCT	CTGCCTCTTG	GGTTCAAGCG
52751	ATTCTCCTGC	TTCAGCCTCC	TGAATAGCTG	GGATTACAGA	CGCGCACCAC
52801	CATGCCTGTC	TAATTTTTGT	ATTTTTAGTA	GAAACGGGGT	TTCATCATGT
52851	TGGCCAAAGT	TGTCTCGAAT	TCCCAGCCTC	AAGTGATCCG	CCTGCCTCGG
52901	CCTCCCAAAG	TGCTGGGATT	ACAGGTGTGA	GCCACCACAC	CAGGCCCAAT
52951	ATAGGCTTTA	AATCAATGTA	TATAATGCTT	TGTCCTTTGT	GGCCAGAATG
53001	CATAACAAGA	AGAGGTAGCG	GTGGTTGTGG	CACCTTATAT	GATTTACCTA
53051	AGGACTAAGA	GTTTTCTTCC	TGTCTCTGAG	ATTCTGGGTA	TTGCAGGTCA
53101	GAAGGTGATA	GCATCGGCCA	GGCACAGTGG	CTCACACCTG	TAATCCCAGC
53151	ACTTTGGGAG	GTCAAGGCGG	GCAGATCATT	TGAGGTCAGG	AATTTGAAAT
53201	CAGCCTGACC	AACATGGTGA	AACCCTGTCT	CTACTAAAAA	TACAAAAATT
53251	AGCCGGGTGT	GGTGGCACGC	GCCTGTAACC	CCAGCTACTC	GGGAGGCTGA
53301	GGCAGGAGAA	TGACTTGAAC	CTGGGAGGCG	GAGGTTGCAG	TGAGCTGAGA
53351	TCGCGCCACT	GCACTCCAGC	CTGGGTGACA	GTGAAACTCT	GTCTTGGGAA
53401	AAAAACAATA	CAAAACATGG	TGATAGCATC	ATGGGAGGAA	TGTTTCTTCT
53451	AACCAAGAAA	CACAAAGATG	ATTCCCTGGG	ATTTCGGCTC	CTGGTAGCAC
53501	TAGAGGAATA	GGAGAAGGGG	GTGGTCTCAG	TGTAGACTGG	ACTGATCATG
53551	GCTACCAAGG	AGAAAGGGAG	TTACTGTTAC	CTAATAAGTG	TTGAGAGGTG
53601	CGTGAATGGA	ACCCAGAGAC	CCTGGGGTCA	CCACCTTGTG	CTATTGTAGT
53651	AATCAGCATT	CTTTCAATTG	TCGGTGAAAG	AAATTCCACT	CAAGTTAGGC
53701	TTGGCAAAAT	AAGGCATACA	AAACTATAAG	TTTAGATGCA	GGAAACAGGG
53751	TCTGCAACAT	TATCAGAACT	ATCTCTCATC	TCTGTTTCTT	CCCTGCCTCG
53801	TCTTCCTTTA	ATTTGTTTTT	AGAAGATCCC	AGAGAAGGAC	TCTGACTGGC
53851	TCACCTGGAG	TGGAGCTCCT	ATCCCTGGAT	TCTTCAGGCT	TTCATTTGAC

FIGURE 7T

53901	CCACATGGTT	AAGCTGGGAG	AGACAGAGTC	CAAAGAGAGG	CGGAGAAGGG
53951	CTATTCTGGG	CAGAACAAAC	AATTGATGAC	TTTATGGCTC	TGTGGTCTGG
54001	GCAGAACTGC	ATAACCCTAG	ATCACCAAAG	CTGAGAGCCT	TTAGGAGTGA
54051	GGATTTGGGC	CAGGCATGGT	GGCTCACGCC	TGTAATCCCA	GCACTTTGGG
54101	AGGCCGAGGT	GGGTGGATCA	CAAGGTCAGG	AGATCAAGAC	CAACCTGACC
54151	AACATGGTGA	AACCCCATCT	CTACTAAAAA	TACAAAAATT	AGCTGACGTG
54201	ATGCATGCAC	CTGTAATCCC	AGCTACTCAG	GAGGCTGAGG	CAGGAGAATC
54251	GCTTGAACCC	GGGAGGTGGA	GGTTGCGGTG	AGCCGAGATT	GCGCCACTGC
54301	ACTCCAGCCT	AGGCGACAGA	GCGAGACTCC	ATCTCAAAAA	AAAAAAAAAA
54351	AAAAAAAAAA	GTGAGGATTT	GGGTCACCCC	AGGCTGAAGG	CCAGGGGAAC
54401	CTGAAGTGGA	TAAGGGAAGG	GAGAAGACTT	AGGCCACAGG	ATCTGATGTA
54451	GAAATGGGGC	TGACGTCTCC	ACCTGTATTT	TCTTAGCTGG	AGGAGTGTGC
54501	AAAGTTTGAA	TTACTTCTGC	CTTCTCCTTC	TTATTTCTCT	TTCCCTTTTA
54551	AAATAGTCAT	CATAATCATA	AAAATTTCTT	TTCCATTTTC	CCTGTTTTTG
54601	CATATAGGAT	TTCTTGGTGT	GATTTAATTT	GCCAATTAGT	CTCTAGGTTG
54651	CAGAATGGTG	ACTTGGAATC	AAATTGAAAC	TGGAAGAGGG	CACCTCATAT
54701	ATTAGGGTCA	GCAATTACTG	AACTCTGTTC	TCTTTTATTC	CAAACAGGGC
54751	CCCCAAGTTC	ACATTTCCCC	AGGGTGCAAA	AGAGTGAGGG	GGGTCAAGCT
54801	TCAGTAGAGT	GGAGCTCTGA	GAAGAATCCA	CTGGAGTTTG	GAACCCAAGA
54851	CCCTTTTTTA	TCACGCTGTT	CCTCCTCACC	TGGGCAAAAAG	CACTGGTACC
54901	CACTTCACAG	GCATCATGGG	TGGGCTCTGT	GTCTTGCGGA	GAGCCCCCGT
54951	CCCGGGTACA	GGACATCAGC	CCTGAGCCCT	GTCCCAGGCT	TGGATCTTCT
55001	TTCTCTCTCT	CTCTTTTTTT	TTTTTTTTTT	TTTTTTTTTT	TTGAGACGGA
55051	GTCCCCTCT	GTTGCCCAGA	CTGGAGTGCA	GTGGTGCACT	CTTGCTCAC
55101	TGCAACCTCC	ACCTCCCAGG	TTCAAGCGAT	TCTCTGCCT	CAGCCTCCCA
55151	AGTAGCTGGG	ATTACAGGCG	CCCGCCACCA	AGCCCGGCTA	ATTTTTGTAT
55201	TTTTAGTAGA	GATGGGGTTT	CACCATGTTG	GCCAGGCTGG	TCTCAAAGTC
55251	CTGACCTCAG	GTTATCTGCC	CGCCTCGGCC	TCCCAAAGTG	CTGGGGTTAC
55301	AGGCGTGAGC	CACCGCACCC	GGCCTCAGTG	ACTTTAGTCA	AGTAAGCACA
55351	AAAAGGAATA	TATAATTCCA	AATTGTGATA	AATGCTATGA	AGAAAAGGAA
55401	TGTGCTCTGA	CATAAAGGGG	GGAACGAACG	TGATCTAGGG	AGTCAGAGAT
55451	CTCTCCGAGA	AGAGATCTGA	AATAGGAGTA	AGTCGAGAGG	GGGAAGAGAA
55501	TGCTAGACCG	AGGGAACAGT	GCGTGCCAAA	GCCGCGTGCG	GGAAAGGGGC
55551	GTGTGGGAGG	GTAAGTGGG	AGAGGGAGGG	TAGAGGACGA	AGCCGGAGAG
55601	GCAGACGAAG	GGCAGGACGC	ACAGAGCCCC	GCGGCTACCG	CCTTAGGGGT
55651	TGTCCCGGCG	GTGGGGAAGC	CATTGAGGAG	TTTAACGCGG	GAAGGTGGTG
55701	ACTAATCAGA	TTTCACTTGA	AAATGGCACG	GTGTCTGCAG	CGAGGCTAAC
55751	TGATGGGAAG	GGCCAGCGA	ATGCCAATAG	GAGAGAGCAC	CGGACCTGGA
55801	AGGCCTGGGT	CAACGCGGCC	CCGCGCGGGG	GCGAAGCGGT	TCCGGCGCAG
55851	GGGCCTGGCG	CGGGGCTCCG	CGGAAAACCG	AACCGGCCCA	CGTGGGACCG
55901	GTGCTCCGCG	CCTGCTGCGC	AGACGCGGCC	TGACTCCGCA	GTCCGGGACT
55951	GGGGCTGGGC	GCGCTGCCCG	GGAGCCCCGC	ACCCACGCTT	GGACCGCGGA
56001	GACGCCCAGG	CCGAGGAACC	CCCAGCCCAG	GGACTAGACA	CCACCAGGGC
56051	CGGGCGGAGC	CAGAGCCAGA	CGCGCCGGAG	CGGGCGCCTC	TACGCCGTGA
56101	GTCCGAGTCT	GGGGCCCGAG	GCGGGGTGGG	GCTTGGGGCT	CAGCCGCGGG
56151	AAGCGGGGAG	TCACAGTGGC	CTCCTTCGAG	GAGACTAGGG	AAGGATGGTC
56201	TCTGTCTCCT	GGGGTGGTCT	CCCCTCCCG	CAAGGCCAGA	AAAGGAGGCT
56251	GCCTCCTGTT	TGGGCGGAGA	CCTAGTCCTG	GCGTGTGCGG	GTTCTCATTT
56301	TACTATCTCT	GAGAACCCTG	TGATCCCTAG	CGCCACCCCC	ACCCCATCCC
56351	AGCTTCCTTC	ACGGCCCCAT	CCAAGTATAG	GAAAAATAAA	AAATTGGGGC
56401	GAGGGGAGAT	CTCTAGGCAC	CTTCCACAAA	GCCTTGCTTA	GAGGGCGATT
56451	AGAAACGAAC	TGTTCTTACA	CCCTTCTCCC	CAGGACTTCT	CTGCCCATGG
56501	CTGGGGGTGG	GGAGGGTCCA	TGCCACCTAT	GGAGCGCCTT	CCAGTGCCGG
56551	CTCCACTTAC	AATACCCTTC	CTCTTCATGC	TCTTCAATTG	TTCTAATCCC

FIGURE 7U

56601	AGTGCTGTTT	GGTCAGTAGA	ATCCCTTTGT	CAGTTCAAAT	CCTAATTTTG
56651	GTTAGAAGCA	GGTTATGGAG	GAGAGAAGAG	TGGTGTGGTA	TGCCCTCCCT
56701	CCAGGGCCTC	AGAATGGAGC	AAGCTAGGGA	CGGGGACCGC	AAGATAGTGG
56751	CTGTGTTCCA	GAGGCATTGG	GAGGGAAGGG	GGCAGGCTCA	GAAGAAAAGC
56801	TTGTCACTGG	GGAAGGCGGG	GCTCCCTGGC	TGGGGTAGGA	AAGGGAACCA
56851	AACCCAGCTC	TTCCAGAACC	CAGCTCTTCC	AGCCCTGGGG	AGTCAAGAGT
56901	GGATTCCCTGA	GCATGGAAAT	TCCTGTCAGT	CTCTTCTCCC	ATTCACTCAC
56951	TTAGCAAGTA	CCTGTATGCA	CAGACAGCCT	GGTTCAGGGC	TCTATGCTGG
57001	CTGACTCTGG	GGAATATGAT	GGAGGATATA	TACAGGAGGT	CCAAGCCAGA
57051	TTACAAACTG	CTATTACAAG	ATCATTACCA	CAAACCAAAA	ATGCCAGTTG
57101	AATAGACATT	CACTGATCGT	CGACCATGTA	TGCCAGGGAC	GGATGCAAAG
57151	TTGGATAAGA	CAGTGTATAC	CCAGCGCAGT	GGGGACCCAG	AGGAAGGCAT
57201	AACTAACCGT	GCTTGTTTAT	GTAATATTGA	TTGGGGCAGT	ATCAAGACGG
57251	CTTCAGAGAC	ATGGGGACAT	GGAAACATGG	GGATATTACA	GCTAATTTTG
57301	AAGTACAAAA	AGGAATTTGC	TGGGTGGAGA	AGGGAGGAGC	TTTGAGGGGA
57351	GGGGAGAGGA	AGGATATTGT	AGGCCAAAGG	AATACTGTAA	GAAAAACAAT
57401	GGTGAGTTTT	GAGATCTCTG	GGCAGTTTGC	TATGATGGGA	GGGGCAGAGT
57451	GGCAAGAGGC	AGGTATGGAG	GGGTGAGCAG	GGGCCAGATC	AAACAGGGTG
57501	TTGTAGGCCA	GGTAGAGGTT	TAGCAGGAAT	TCAGGGAGGG	CATTAGGAGT
57551	GGTGACAAGT	GAAATTTACA	TTTTTAACTG	GAGGCAGAGA	GATCAGTGAA
57601	AAGGCCGAGG	CAATAATCCA	GGTCAGAAAT	GGCCTGGAAG	AGGAAGAATG
57651	GTCAGAATGT	GGTTATTAAT	GAGATGGGAG	AAGGAAGGAT	AGTGAGGACC
57701	CCAGGATGCT	CTCAGCTTTC	TGGATGGAGT	ACAGAGCCAT	CTTGCTGAGG
57751	ATACTGAAGG	AGAGCTTGTT	TGGTTATGTA	GAATTTTGGC	GGGGGGCGGT
57801	GGTGGAGGGG	GATGATGTCA	CTCTGTCACC	CAGGCTGGAG	TGCAGTGGCG
57851	CAATCTCGGC	TCACTGAAAC	CTCTGCCTCC	TGGGTCAAG	TGATTCCCCT
57901	GCCTCAGCCT	CCCAATAGC	TGGGATTACA	GGTGCCTGTC	ACCATGCCTG
57951	GCTAATTTTT	GTATTTTTAG	TAGAGATGGG	GTTTCACCAT	GTTGGCCAGT
58001	CTAGTCTCGA	ACTCCTGACC	TCAGGTGATC	TGCCTGCCTC	GGCCTCCCAA
58051	AGTGCTGGGA	TTACAGGTAT	GAGCCACCAT	GCCTGGACTG	GTTATGTAGA
58101	ATTTGAGGAG	ACTATGGTTG	GTTGCAGGGT	TGGATAGCAG	TTGGATCTGG
58151	GCTGAAGACA	GATCTGAGAG	TCACCAGCAT	ATGATGGTCT	TTGAAGCTAC
58201	AGCAGAGAAT	GAGGTCCTCT	GGAGAGAAAT	GCACAAAATC	AGAAGACAGC
58251	CTGGCTCTGA	GGACGGAGGA	AAAACCCTTT	GCAGGAGACT	GAGAATGAAC
58301	AGGTAGACAG	GGAGGACGAA	AACCACGAAG	GGAAGTGTTA	CCAGAGTCAA
58351	GAGAAAGGGC	TTGACAGGGA	GTGGCCAGGC	TCTTGCTTGC	AGCCTTGCTC
58401	CTGCAGCTAA	GTTGCCCTGA	CTTCAGGCAC	CCCACCTGT	CCTACTGTGA
58451	CTCGGTCTCC	TGCTTTCCCT	TTACAGGCTA	GATGTTTCGCC	ATCCAGCCAG
58501	GGCTAGCTGA	GGGGGGCCAA	TTCCTGGGGG	ACCCACCTCC	TGGATTATGT
58551	CAGCCCGAGC	TCCAACCAGA	CAGCAACTCC	AACTTCATGG	CAAGTGCCAA
58601	GGATGCTAAC	GAGAATTGGC	ATGGGATGCC	AGGCAGAGTG	GAACCTATCC
58651	TGAGGAGGAG	CTCCTCTGAG	TCACCCTCTG	ACAACCAAGC	CTTCCAGGCC
58701	CCTGGATCCC	CTGAGGAAGG	GGTGCGCAGC	CCCCCAGAGG	GGGCAGAGAT
58751	TCCCGGGGCT	GAGCCTGAGA	AGATGGGTGG	TGCTGGCACA	GTCTGCTCCC
58801	CTCTGGAGGA	CAACGGCTAT	GCCAGCAGTT	CCCTGAG	

FIGURE 7V